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OCEANIC SALINITIES OFF THE SOUTH ATLANTIC COAST OF THE UNITED STATES

Theodore N. Gill CRUISES 1-9, 1953-54

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UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

United States Department of the Interior, Stewart L. Udall, Secretary
Fish and Wildlife Service, Clarence F. Pautzke, Commissioner
Bureau of Commercial Fisheries, Donald L. McKernan, Director

OCEANIC SALINITIES OFF THE SOUTH ATLANTIC COAST OF THE UNITED STATES, Theodore N. Gill CRUISES 1-9, 1953-54

By

William W. Anderson, Joseph E. Moore,
and Herbert R. Gordy

United States Fish and Wildlife Service
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OCEANIC SALINITIES OFF THE SOUTH ATLANTIC COAST OF THE UNITED STATES, Theodore N. Gill CRUISES 1-9, 1953-54

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ABSTRACT

Salinity data secured on nine cruises of the M/V *Theodore N. Gill* off the south Atlantic coast of the United States are further processed and organized in a much more usable and readily available form. Surface water salinities are presented graphically by season.

INTRODUCTION

A general survey of those waters adjacent to our coast in the region from Cape Hatteras on the north to the Florida Straits on the south was begun in 1953 by the U.S. Fish and Wildlife Service in cooperation with two other Federal agencies and two State agencies. Nine cruises over a basic station plan (fig. 1) were completed with the vessel *Theodore N. Gill* from February 1953 to December 1954.

All of the basic physical oceanographic, biological, and chemical data, together with procedures and methods, have been published by individual cruise; (Anderson, Gehringer, and Cohen, 1956a and 1956b; and Anderson and Gehringer, 1957a, 1957b, 1958a, 1958b, 1959a, 1959b, and 1960). Bottom sediments were reported by Moore and Gorsline, 1960.

This is the second in a series of reports presenting a further processing of the physical oceanographic and chemical data preparatory to a summarization of conditions along the south Atlantic coast of the United States, as revealed by the nine *Gill* cruises (the first report, Anderson, Moore, and Gordy, 1961, covered water temperatures). The data will also be organized in a much more usable and readily available form for fishery biologists in their studies of the fishes, shrimps, and other organisms of the region.

Note.--William W. Anderson, *Fishery Research Biologist*, Joseph E. Moore, *Analytical Chemist*, and Herbert R. Gordy, *Physical Science Technician*.

PROCEDURES

Sections

There are 16 sections as established from the pattern of east-west lines of stations (fig. 1). These are named and composed of stations as established in the individual cruise reports and shown in tables 2 to 14.

Areas

The region was divided into three areas--southern, central, and northern. Each area was split into three subareas: inner shelf--which extended

generally from the beaches seaward to about 15 fathoms; outer shelf--from about 15 fathoms seaward to about 100 fathoms; and offshore--mostly in the Gulf Stream. This is illustrated in figure 2, together with the stations comprising each sub-area.

Data from the special stations and standard station are excluded from this division and are presented separately.

Seasons

Four general seasons are applied--winter (cruise nos. 1 and 5), spring (cruise nos. 2 and 6), summer (cruise nos. 3, 7, and 8), and fall (cruise nos. 4 and 9). Winter cruises were made from January to mid-March, spring cruises during April and May, summer cruises from mid-June to September, and fall cruises from October to mid-December.

General

Salinity data used in compilation of the various tables were the interpolated and calculated data from the nine *Gill* cruise reports.

Basic salinities are given to the hundredth of a part per thousand, and averages to the nearest tenth of a part per thousand.

No data below 1,000 meters standard depth are included--such were available on only a few stations.

Profiles of the sections, by cruise, were published in the individual cruise reports.

Average surface water salinities for the four seasons, and for areas near the special stations and standard station, are shown in figures 3 to 6.

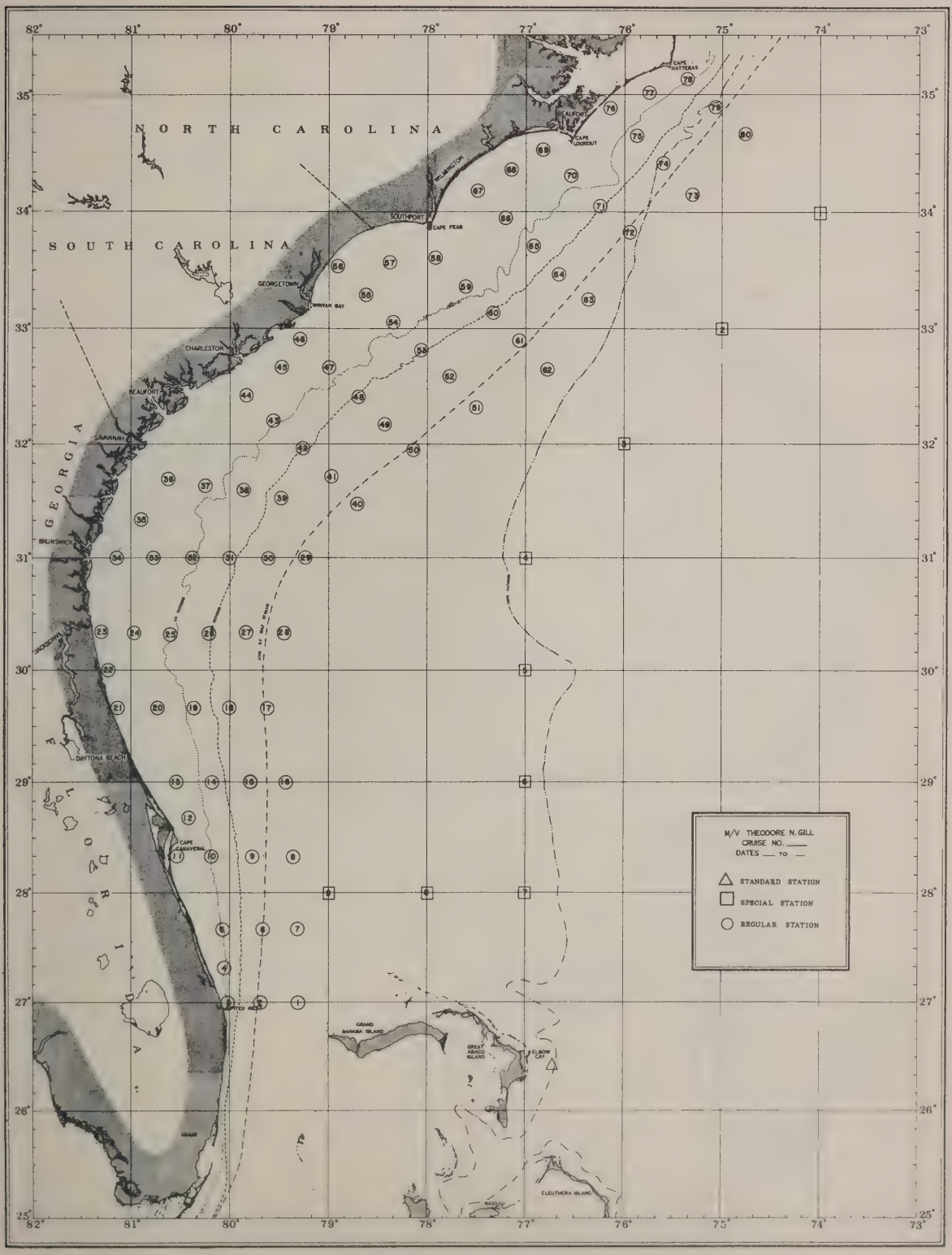

Figure 1.--Basic station plan.

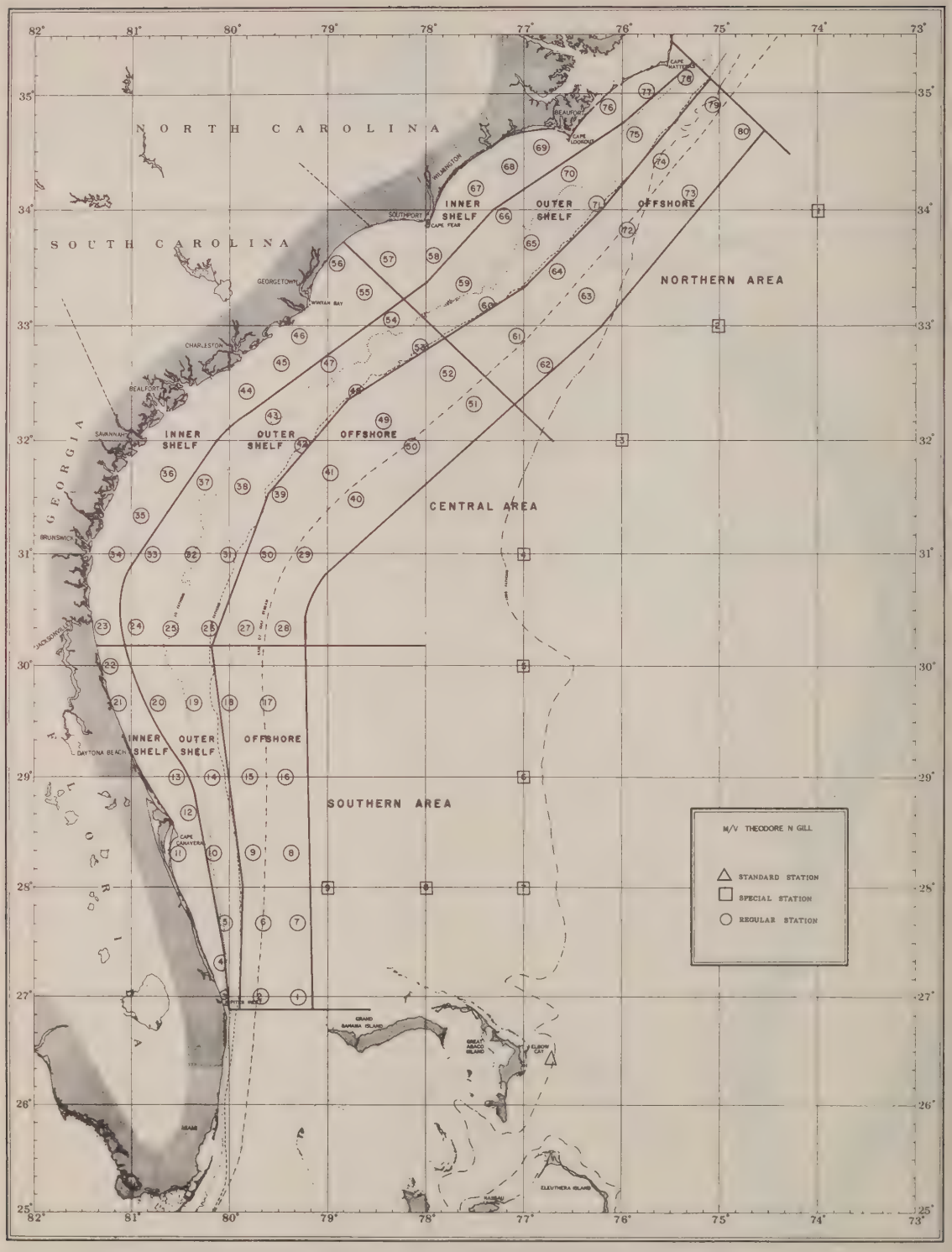

Figure 2.--Areas, sub-areas, and stations comprising sub-areas.

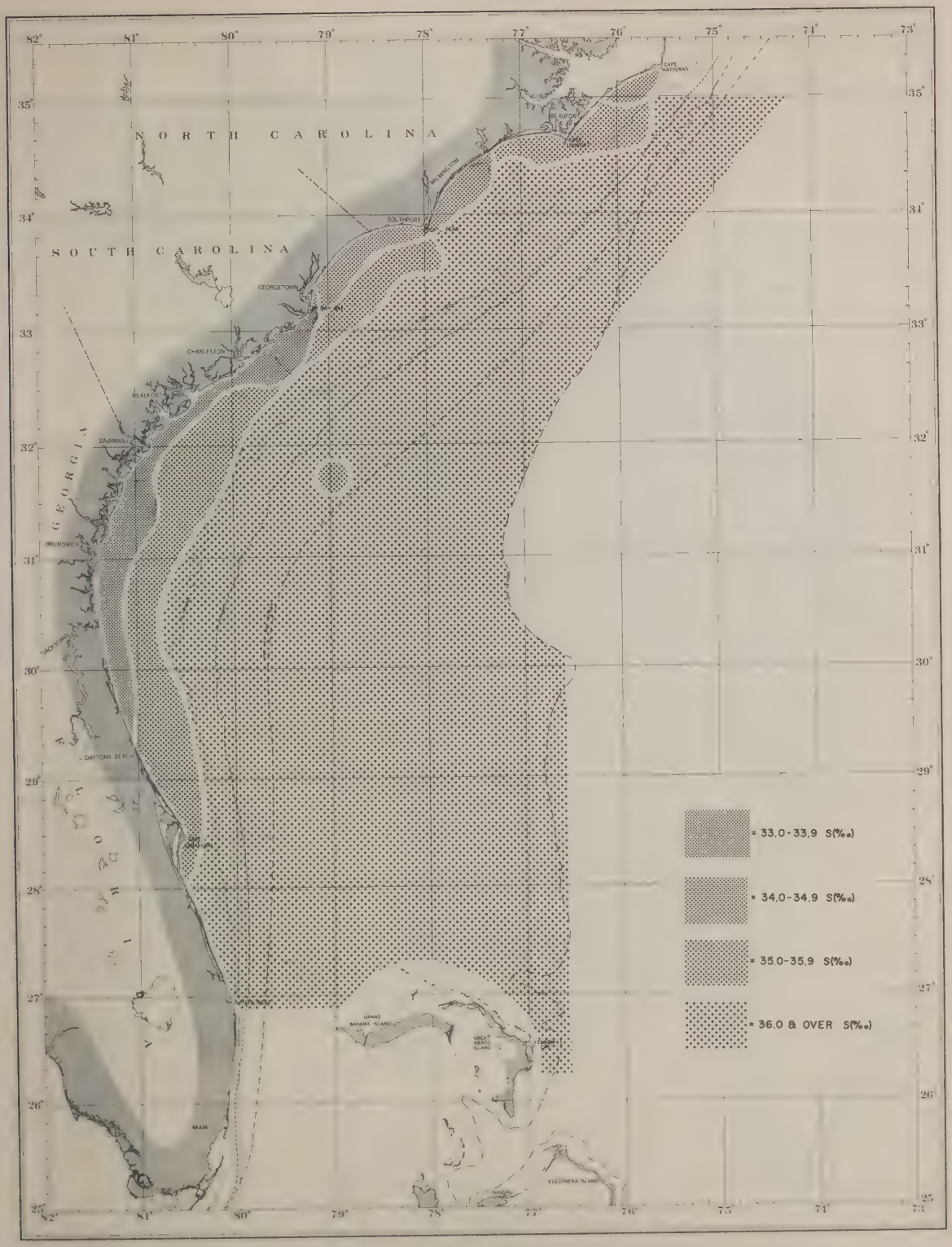

Figure 3.--Average winter surface water salinities (‰).

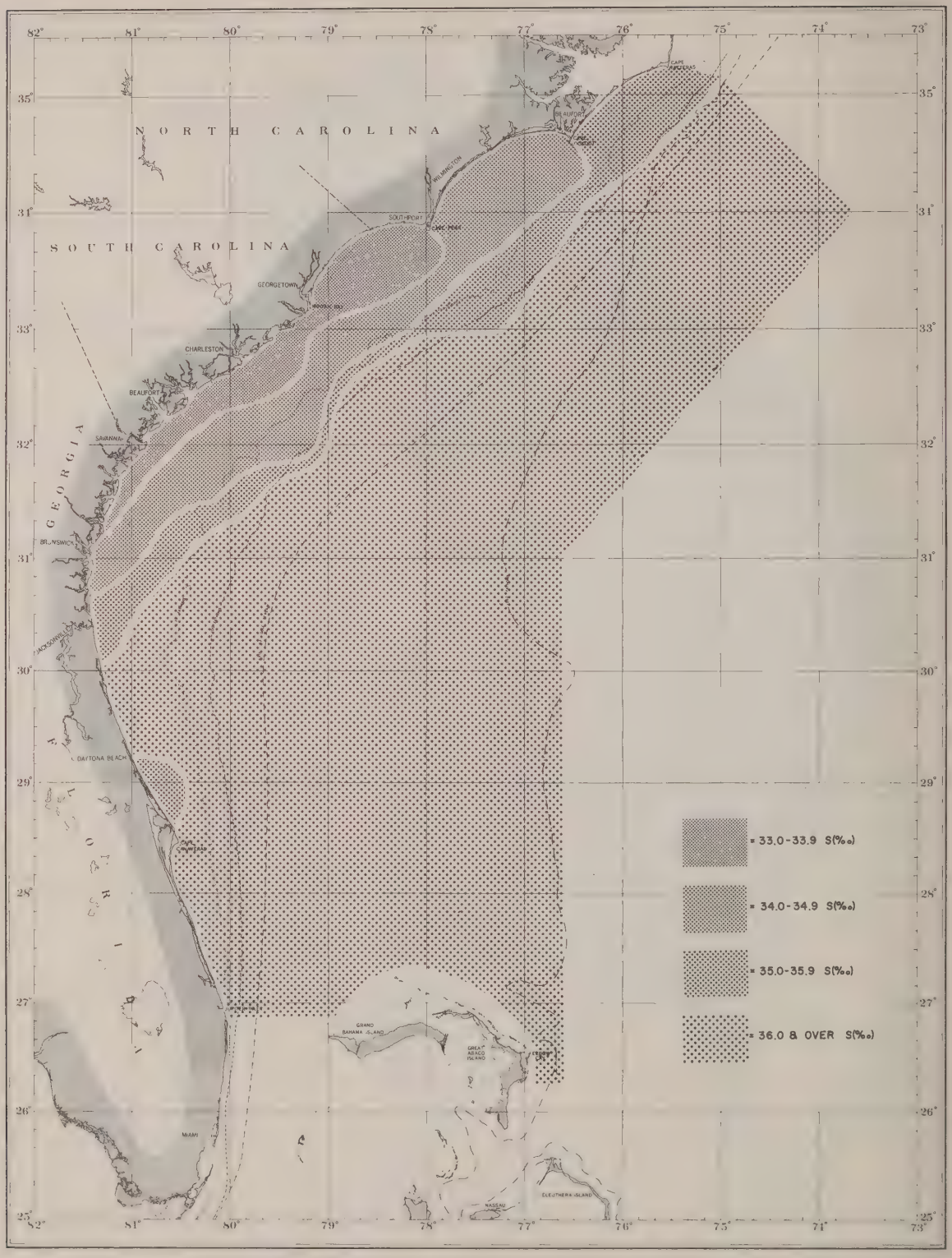

Figure 4.--Average spring surface water salinities (‰).

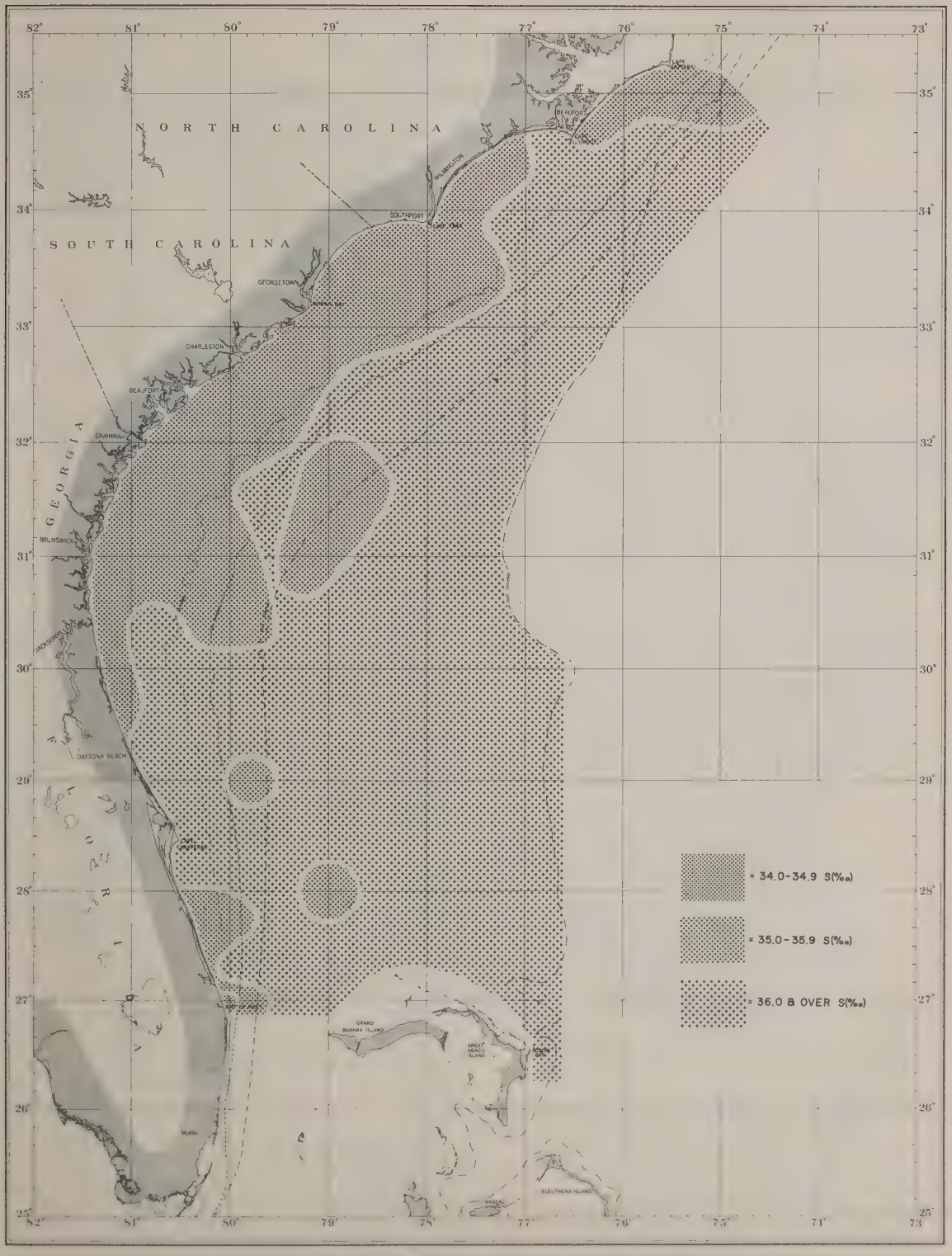

Figure 5.--Average summer surface water salinities (‰).

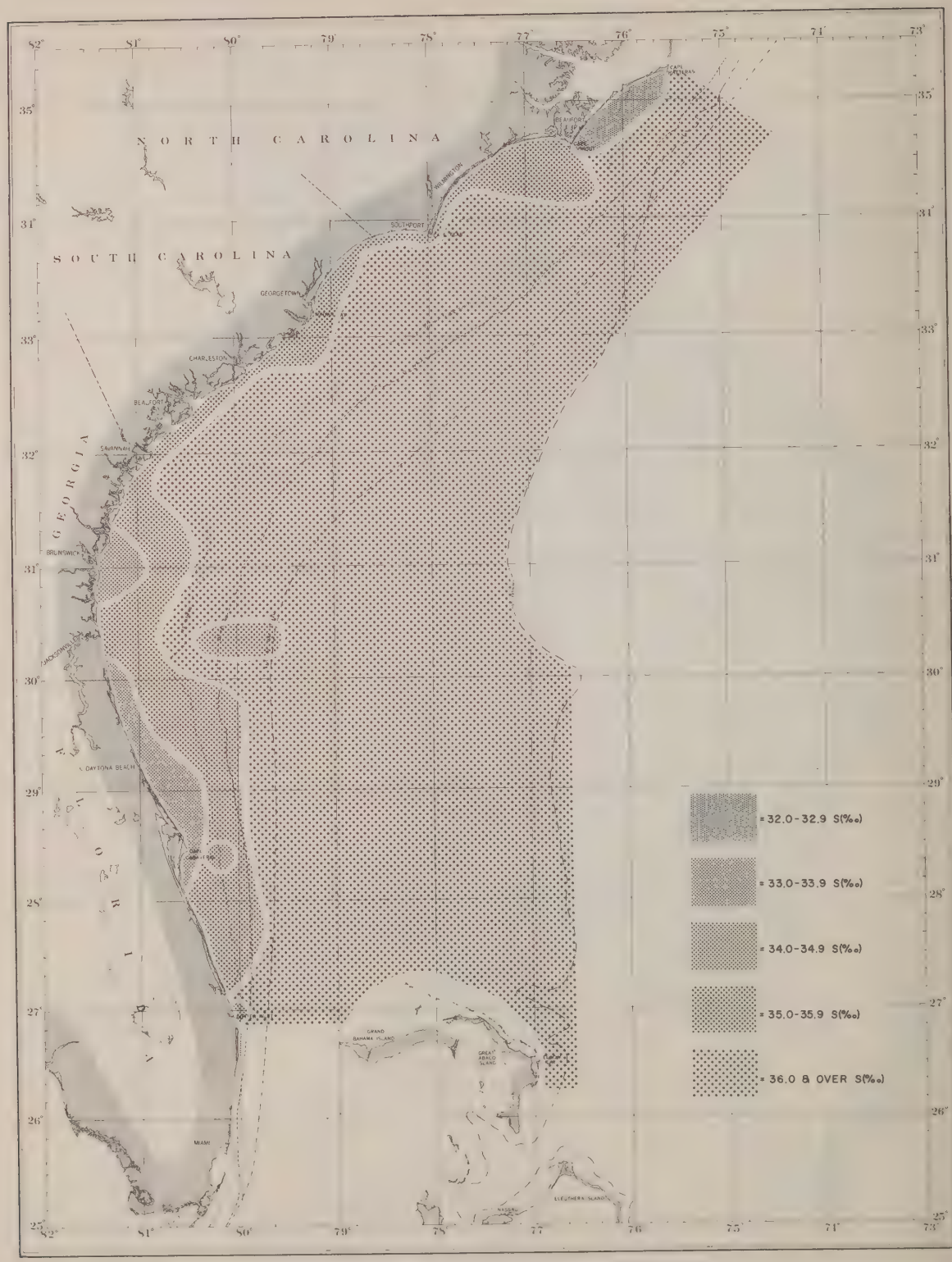

Figure 6.--Average fall surface water salinities (‰).

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Table 1.--Salinities (‰), stations by cruise

Station Special 1

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.44							
10		36.40							
20		36.41							
30		36.47							
50		36.56							
75		36.56							
Avg.		36.5							
100		36.56							
150		36.55							
200		36.53							
250		36.51							
300		36.49							
Avg.		36.5							
400		36.48							
500		36.24							
600		35.97							
800		35.35							
1000		35.14							
Avg.		35.8							

Station Special 2

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.18							
10		36.18							
20		36.17							
30		36.29							
50		36.48							
75		36.54							
Avg.		36.3							
100		36.59							
150		36.63							
200		36.64							
250		36.59							
300		35.55							
Avg.		36.4							
400		36.47							
500		36.38							
600		36.15							
800		35.52							
1000		35.16							
Avg.		35.9							

Table 1.--Salinities (‰), stations by cruise--Continued

Station Special 3

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.22							
10		36.20							
20		36.22							
30		36.31							
50		36.44							
75		36.48							
Avg.		36.3							
100		36.52							
150		36.61							
200		36.65							
250		36.64							
300		36.61							
Avg.		36.6							
400		36.55							
500		36.50							
600		36.38							
800		35.80							
1000		35.24							
Avg.		36.1							

Station Special 4

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.17							
10		36.19							
20		36.22							
30		36.30							
50		36.42							
75		36.51							
Avg.		36.3							
100		36.58							
150		36.64							
200		36.65							
250		36.59							
300		36.54							
Avg.		36.6							
400		36.46							
500		36.27							
600		36.06							
800		35.41							
1000		35.08							
Avg.		35.9							

Table 1.--Salinities (‰), stations by cruise--Continued

Station Special 5

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.35	36.30		36.22	36.51	36.34		36.26
10		36.31	36.31		36.20	36.46	36.37		36.24
20		36.31	36.33		36.22	36.45	36.46		36.24
30		36.31	36.42		36.25	36.47	36.54		36.24
50		36.32	36.58		36.36	36.51	36.63		36.26
75		36.33	36.69		36.38	36.53	36.70		36.36
Avg.		36.3	36.4		36.3	36.5	36.5		36.3
100		36.34	36.73		36.48	36.55	36.78		36.48
150		36.63	36.65		36.60	36.56	36.81		36.63
200		36.61	36.63		36.58	36.56	36.75		36.64
250		36.56	36.60		36.57	36.56	36.69		36.59
300		36.53	36.57		36.54	36.55	36.64		36.52
Avg.		36.5	36.6		36.6	36.6	36.7		36.6
400		36.44	36.52		36.46	36.46	36.53		36.46
500		36.30	36.35		36.34	36.32	36.33		36.33
600						36.10	35.95		36.01
800						35.46			35.21
1000									
Avg.		36.4	36.4		36.4	36.1	36.3		36.0

Station Special 6

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.14	36.24		36.38	36.36	36.24		36.27
10		36.17	36.24		36.36	36.34	36.35		36.26
20		36.17	36.26		36.38	36.37	36.38		36.25
30		36.25	36.41		36.41	36.40	36.49		36.26
50		36.37	36.60		36.44	36.45	36.65		36.27
75		36.50	36.63		36.41	36.52	36.70		36.28
Avg.		36.3	36.4		36.4	36.4	36.5		36.3
100		36.57	36.66		36.40	36.56	36.77		36.30
150		36.60	36.69		36.47	36.61	36.87		36.61
200		36.61	36.66		36.59	36.64	36.80		36.65
250		36.56	36.60		36.55	36.59	36.57		36.61
300		36.52	36.56		36.48	36.51	36.35		36.54
Avg.		36.6	36.6		36.5	36.6	36.7		36.5
400		36.43	36.45		36.35	36.40	35.96		36.48
500		36.28	36.32		36.13	36.15	35.70		36.42
600		36.04	36.04		35.85	35.83	35.47		36.22
800						35.23	35.19		35.72
1000						35.03			
Avg.		36.3	36.3		36.1	35.7	35.6		36.2

Station Special 7

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.73	36.08		36.36		36.36		36.35
10		36.72	36.10		36.35		36.38		36.35
20		36.73	36.20		36.37		36.42		36.35
30		36.70	36.33		36.38		36.53		36.35
50		36.66	36.53		36.40		36.70		36.36
75		36.59	36.70		36.40		36.73		36.52
Avg.		36.7	36.3		36.4		36.5		36.4
100		36.56	36.76		36.41		36.74		36.62
150		36.60	36.71		36.60		36.72		36.62
200		36.55	36.64		36.59		36.72		36.64
250		36.48	36.59		36.52		36.72		36.58
300		36.45	36.57		36.48		36.71		36.53
Avg.		36.5	36.7		36.5		36.7		36.6
400		36.40	36.56		36.42		36.67		36.39
500		36.13	36.49		36.31		36.51		36.28
600		35.88	36.23		36.12		36.26		36.11
800		35.30			35.71		35.62		35.48
1000							35.22		
Avg.		35.9	36.4		36.1		36.1		36.1

Station Special 8

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.63	36.00			36.42	36.31		36.33
10		36.70	36.02			36.42	36.33		36.32
20		36.66	36.11			36.44	36.25		36.31
30		36.70	36.34			36.49	36.33		36.28
50		36.75	36.59			36.56	36.47		36.28
75		36.70	36.62			36.60	36.67		36.51
Avg.		36.7	36.3			36.5	36.4		36.3
100		36.67	36.66			36.64	36.78		36.64
150		36.67	36.71			36.69	36.76		36.67
200		36.64	36.69			36.62	36.82		36.60
250		36.57	36.63			36.44	36.72		36.55
300		36.50	36.54			36.28	36.64		36.51
Avg.		36.6	36.6			36.5	36.7		36.6
400		36.38	36.37			35.96	36.57		36.42
500		36.13	36.03			35.63	36.23		36.16
600		35.77	35.58			35.36	35.91		35.85
800		35.14				35.04	35.34		35.29
1000							35.17		
Avg.		35.9	36.0			35.5	35.8		35.9

Table 1.--Salinities (‰), stations by cruise--Continued

Station Special 9

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.42	35.84	35.95		36.10	35.84	36.09	36.35
10		36.42	35.82	35.92	36.40	36.09	35.81	36.12	36.35
20		36.45	35.85	35.93	36.41	36.10	35.86	36.15	36.35
30		36.55	35.91	35.95	36.44	36.24	35.91	36.13	36.34
50		36.69	36.03	36.01	36.49	36.49	36.08	36.17	36.34
75		36.73	36.18	36.42	36.54	36.62	36.40	36.44	36.34
Avg.		36.5	35.9	36.0	36.5	36.3	36.0	36.2	36.3
100		36.73	36.36	36.64	36.57	36.67	36.63	36.60	36.36
150		36.72	36.58	36.65	36.59	36.66	36.73	36.67	36.66
200		36.68	36.59	36.63	36.62	36.65	36.68	36.62	36.61
250		36.64	36.56	36.55	36.64	36.64	36.63	36.57	36.53
300		36.58	36.52	36.49	36.59		36.58	36.54	36.48
Avg.		36.7	36.5	36.6	36.6	36.7	36.7	36.6	36.5
400		36.39	36.42	36.35	36.51		36.36	36.49	36.26
500		36.12	36.27	36.01	36.28		36.06	36.31	35.83
600		35.77	35.88	35.65	35.83		35.69	35.90	35.40
800							34.97		
1000									
Avg.		36.1	36.2	36.0	36.2		35.8	36.2	35.8

Station

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0									
10									
20									
30									
50									
75									
Avg.									
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.-- Salinities (‰), stations by cruise--Continued

Station 1

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.35	36.10	35.97	35.93	36.20	36.00	36.02	36.30	36.09
10	36.33	36.06	35.93	35.97	36.20	36.00	36.08	36.27	36.13
20	36.36	36.07	35.95	35.93	36.18	36.00	36.03	36.27	36.16
30	36.36	36.06	35.96	35.92	36.21	36.00	36.02	36.27	36.17
50	36.36	36.07	35.98	35.91	36.24	36.00	36.00	36.30	36.18
75	36.41	36.16	36.19	36.32	36.21	36.02	36.32	36.44	36.35
Avg.	36.4	36.1	36.0	36.0	36.2	36.0	36.1	36.3	36.2
100	36.47	36.35	36.36	36.64	36.18	36.15	36.55	36.54	36.50
150	36.72	36.72	36.61	36.74	36.74	36.71	36.78	36.66	36.76
200	36.80	36.63	36.63	36.64	36.70	36.67	36.63	36.69	36.77
250	36.62	36.31	36.53	36.45	36.63	36.54	36.59	36.63	36.58
300	36.47	36.06	36.45	36.34	36.55	36.41	36.47	36.54	36.56
Avg.	36.6	36.4	36.5	36.6	36.6	36.5	36.6	36.6	36.6
400	36.27	35.53	36.21	35.93	36.08	36.14	36.01	36.25	36.21
500	35.84				35.82	35.82	35.68		35.83
600						35.43			
800									
1000									
Avg.	36.1	35.5	36.2	35.9	35.9	35.8	35.8	36.3	36.0

Station 2

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.18	36.25	35.88	35.89	36.18	36.06	35.66	36.09	36.15
10	36.15	36.23	35.88	35.91	36.19	36.06	35.89	36.09	36.14
20	36.21	36.27	35.88	35.89	36.23	36.00	36.13	36.06	36.13
30	36.15	36.31	35.90	35.90	36.23	36.00	36.22	36.09	36.15
50	36.29	36.34	35.97	35.97	36.24	36.03	36.34	36.15	36.20
75	36.72	36.32	36.23	36.29	36.30	36.15	36.36	36.22	36.29
Avg.	36.3	36.3	36.0	36.0	36.2	36.1	36.1	36.1	36.2
100	36.80	36.14	36.44	36.48	36.40	36.30	36.38	36.35	36.50
150	36.51	35.54	36.59	36.50	36.59	36.72	36.43	36.76	36.85
200	36.29		36.32	36.28	36.25	36.32	36.25	36.66	36.55
250	36.06		35.85	36.02	36.08	36.05	35.94	36.37	36.24
300	35.76			35.76	35.84	35.81	35.63	36.10	35.94
Avg.	36.3	35.8	36.3	36.2	36.2	36.2	36.1	36.4	36.4
400	35.20			35.27	35.30	35.39	35.04	35.64	35.43
500						35.14		35.08	
600									
800									
1000									
Avg.	35.2			35.3	35.3	35.3	35.0	35.4	35.4

Table 1.--Salinities (‰), stations by cruise--Continued

Station 3

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.18	36.26	35.73	32.65	36.13	35.79	33.97	34.98	35.89
10	36.15	36.30	35.75	34.54		35.77	35.29	35.40	35.81
20									
30									
50									
75									
Avg.	36.2	36.3	35.7	33.6	36.1	35.8	34.6	35.2	35.9
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 4

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.22	36.30	36.00	34.66		36.02	36.03	35.94	36.13
10	36.29	36.27	36.00	34.65		36.00	35.75	35.94	36.20
20				34.63				35.94	36.28
30									
50									
75									
Avg.	36.3	36.3	36.0	34.6		36.0	35.9	35.9	36.2
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 5

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.17	36.30	35.99	34.47	36.34	36.01	35.54	35.98	36.16
10	36.18	36.26	36.25	34.75	36.32	36.18	35.98	36.04	36.11
20	36.08	36.12	36.25	35.26	36.31	36.30	36.36	35.97	36.26
30	35.90	36.08	36.22	35.55	36.29	36.20			36.30
50									
75									
Avg.	36.1	36.2	36.2	35.0	36.3	36.2	36.0	36.0	36.2
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 6

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.15	36.18	35.84	35.91	36.22	36.01	35.93	36.13	36.08
10	36.11	36.12	35.84	35.91	36.22	36.00	36.08	36.13	36.17
20	36.13	36.09	35.87	35.90	36.22	36.00	36.12	36.13	36.23
30	36.11	36.09	35.89	35.91	36.21	36.00	36.17	36.14	36.23
50	36.18	36.13	35.98	36.03	36.20	36.09	36.26	36.22	36.22
75	36.50	36.28	36.13	36.23	36.22	36.24	36.37	36.35	36.26
Avg.	36.2	36.1	35.9	36.0	36.2	36.1	36.2	36.2	36.2
100	36.60	36.38	36.32	36.41	36.29	36.27	36.46	36.48	36.38
150	36.36	36.43	36.64	36.73	36.56	36.33	36.56	36.76	36.89
200	36.09	36.28	36.43	36.52	36.47	36.32	36.30	36.31	36.59
250	35.79	36.01	36.07	36.35	36.29		36.14	35.91	36.42
300	35.50		35.61	36.16	36.07		35.92	35.57	36.15
Avg.	36.1	36.3	36.2	36.4	36.3	36.3	36.3	36.2	36.5
400				35.58	35.52				35.69
500									
600									
800									
1000									
Avg.				35.6	35.5				35.7

Table 1.--Salinities (‰), stations by cruise--Continued

Station 7

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.18	36.13	35.97	35.97	36.24	35.99	35.85	36.16	36.17
10	36.27	36.12	35.99	35.99	36.22	35.99	35.82	36.19	36.19
20	36.24	36.09	35.97	35.99	36.25	35.99	35.96	36.14	36.21
30	36.26	36.09	35.98	36.04	36.25	35.98	35.96	36.18	36.21
50	36.20	36.08	36.00	36.15	36.25	35.97	36.02	36.26	36.21
75	36.30	36.26	36.21	36.32	36.27	35.98	36.37	36.38	36.32
Avg.	36.2	36.1	36.0	36.1	36.2	36.0	36.0	36.2	36.2
100	36.39	36.46	36.42	36.47	36.34	36.10	36.58	36.50	36.45
150	36.58	36.70	36.64	36.71	36.70	36.66	36.70	36.73	36.78
200	36.60	36.62	36.64	36.74	36.75	36.69	36.69	36.69	36.80
250	36.41	36.47	36.51	36.58	36.65	36.53	36.58	36.59	36.60
300	36.24	36.30	36.44	36.49	36.53	36.36	36.45	36.45	36.40
Avg.	36.4	36.5	36.5	36.6	36.6	36.5	36.6	36.6	36.6
400		35.84	36.27	36.10	36.20	36.00	36.11	36.07	36.15
500			35.66	35.79				35.77	
600									
800									
1000									
Avg.		35.8	36.0	35.9	36.2	36.0	36.1	35.9	36.1

Station 8

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.22	36.07	35.94	35.92	36.22	35.99	35.82	36.18	36.09
10	36.18	36.06	35.95	35.90	36.22	35.99	35.79	36.22	36.09
20	36.18	36.10	35.96	35.90	36.20	35.99	35.82	36.20	36.09
30	36.18	36.10	35.99	35.91	36.20	36.00	35.88	36.18	36.10
50	36.18	36.07	36.03	35.92	36.21	36.03	36.02	36.19	36.12
75	36.27	36.36	36.05	36.05	36.35	36.06	36.29	36.27	36.31
Avg.	36.2	36.1	36.0	35.9	36.2	36.0	35.9	36.2	36.1
100	36.36	36.57	36.13	36.28	36.46	36.13	36.50	36.39	36.50
150	36.56	36.64	36.59	36.65	36.60	36.57	36.73	36.64	36.79
200	36.64	36.60	36.66	36.64	36.65	36.73	36.71	36.64	36.73
250	36.48	36.46	36.59	36.50	36.60	36.56	36.60	36.63	36.66
300	36.31	36.27	36.36	36.38	36.55	36.27	36.51	36.54	36.54
Avg.	36.5	36.5	36.5	36.5	36.6	36.5	36.6	36.6	36.6
400	35.93	35.88	35.97	36.01	36.32	35.79	36.25	36.18	36.25
500	35.43	35.49	35.57	35.41	35.71	35.34	35.58	35.73	36.02
600	35.12	35.14	35.21	34.99	35.24	35.07	35.16		35.61
800									
1000									
Avg.	35.5	35.5	35.6	35.5	35.8	35.4	35.7	36.0	36.0

Table 1.--Salinities (‰), stations by cruise--Continued

Station 9

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.12	35.93	35.90		36.09	35.99	36.02	36.08
10		36.10	35.91	35.88		36.07	35.98	36.01	36.05
20		36.13	35.91	35.91		36.06	35.95	36.07	36.05
30		36.13	35.91	35.91		36.06	35.97	36.11	36.10
50		36.21	35.92	35.92		36.07	36.11	36.18	36.18
75		36.36	36.07	36.07		36.27	36.35	36.26	36.19
Avg.		36.2	35.9	35.9		36.1	36.1	36.1	36.1
100		36.42	36.37	36.30		36.46	36.45	36.38	36.34
150		36.44	36.14	36.64		36.46	36.59	36.55	36.79
200		36.21		36.37		36.39	36.55	36.26	36.60
250				35.69		35.90	36.28	35.82	36.32
300							35.80	35.52	35.93
Avg.		36.4	36.3	36.3		36.3	36.3	36.1	36.4
400									
500									
600									
800									
1000									
Avg.									

Station 10

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.29	36.09	33.52	36.26	36.17	35.86	35.93	36.24
10		36.26	36.12	33.64	36.22	36.17	36.08	35.97	36.19
20		36.11	36.11	33.89	36.22	36.22	36.19	35.99	36.24
30				34.96		36.34			
50									
75									
Avg.		36.2	36.1	34.0	36.2	36.2	36.0	36.0	36.2
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 11

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.09	36.27	36.13	30.67	35.01	35.84	36.07	36.15	36.15
10	36.17							36.17	36.22
20									
30									
50									
75									
Avg.	36.1	36.3	36.1	30.7	35.0	35.8	36.1	36.2	36.2
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 12

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.24	35.93	30.21	35.03	36.08	36.07	35.91	36.22
10		36.27	35.97	31.18	35.03	36.04	36.06	35.97	36.21
20									
30									
50									
75									
Avg.		36.3	35.9	30.7	35.0	36.1	36.1	35.9	36.2
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 13

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.22	35.97	31.27	35.05	35.68	36.06	36.26	36.00
10		36.24	36.01	34.21	35.00	35.76	36.00	36.21	36.01
20									
30									
50									
75									
Avg.		36.2	36.0	32.7	35.0	35.7	36.0	36.2	36.0
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 14

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.35	36.04	34.47	36.18	36.16	36.11	36.02	36.27
10		36.33	36.02	34.46	36.18	36.15	36.15	35.99	36.24
20		36.31	36.08	34.87	36.17	36.25	36.12	35.95	36.28
30		36.29	36.22	35.08	36.18	36.33	36.11	35.98	36.27
50			36.35	35.37	36.27	36.33	36.11	36.09	36.26
75									
Avg.		36.3	36.1	34.9	36.2	36.2	36.1	36.0	36.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 15

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.08	35.84	35.89	36.10	36.06	35.70	35.98	36.23
10		36.09	35.88	35.88	36.11	36.06	35.70	35.99	36.20
20		36.08	35.91	35.87	36.15	36.09	35.71	36.02	36.17
30		36.06	35.95	35.87	36.19	36.09	35.76	36.06	36.16
50		36.06	35.99	35.89	36.27	36.09	35.95	36.14	36.16
75		36.23	36.01	36.05	36.41	36.14	36.25	36.24	36.27
Avg.		36.1	35.9	35.9	36.2	36.1	35.8	36.1	36.2
100		36.39	36.11	36.24	36.53	36.32	36.54	36.36	36.46
150		36.65	36.51	36.56	36.70	36.55	36.72	36.58	36.87
200		36.61	36.60	36.51	36.64	36.39	36.63	36.21	36.60
250		36.54	36.33	36.29	36.53	36.29	36.41	36.06	36.42
300		36.45	35.81	36.07	36.36	36.06	35.98	35.76	36.17
Avg.		36.5	36.3	36.3	36.6	36.3	36.5	36.2	36.5
400		36.15	35.32	35.63	35.82	35.46	35.32	35.32	35.56
500		35.77		35.28	35.35	35.11	34.99		35.09
600		35.32		35.07	34.94				
800									
1000									
Avg.		35.7	35.3	35.3	35.4	35.3	35.2	35.3	35.3

Station 16

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.08	35.95	36.04	36.40	36.09	36.27	36.13	36.17
10		36.08	35.93	36.04	36.40	36.08	36.13	36.15	36.12
20		36.04	35.94	36.05	36.41	36.07	36.09	36.18	36.11
30		36.25	35.95	36.04	36.47	36.07	36.09	36.20	36.20
50		36.54	35.99	36.04	36.55	36.08	36.09	36.22	36.35
75		36.62	36.08	36.05	36.55	36.10	36.39	36.36	36.40
Avg.		36.3	36.0	36.0	36.5	36.1	36.2	36.2	36.2
100		36.67	36.18	36.11	36.56	36.21	36.60	36.47	36.49
150		36.67	36.51	36.57	36.66	36.66	36.74	36.63	36.79
200		36.58	36.65	36.62	36.74	36.76	36.77	36.60	36.72
250		36.51	36.53	36.49	36.66	36.72	36.66	36.60	36.66
300		36.44	36.40	36.36	36.59	36.61	36.56	36.58	36.60
Avg.		36.6	36.5	36.4	36.6	36.6	36.7	36.6	36.7
400		36.27	36.15	36.11	36.48	36.20	36.36	36.44	36.47
500		35.86	35.81	35.81	36.23	35.71	35.84	36.08	35.91
600		35.47	35.26	35.46		35.32	35.44	35.63	35.86
800			34.95						
1000									
Avg.		35.9	35.5	35.8	36.4	35.7	35.9	36.1	36.1

Table 1.--Salinities (‰), stations by cruise--Continued

Station 17

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.13	35.93		36.42	36.11	35.96	36.21	36.16
10		36.09	35.89		36.44	36.11	35.96	36.14	36.16
20		36.13	35.87		36.43	36.11	36.07	36.18	36.15
30		36.20	35.94		36.50	36.12	36.07	36.18	36.15
50		36.43	36.02		36.59	36.16	36.08	36.22	36.15
75		36.67	36.04		36.56	36.22	36.17	36.41	36.29
Avg.		36.3	35.9		36.5	36.1	36.1	36.2	36.2
100		36.68	36.17		36.53	36.38	36.30	36.56	36.45
150		36.63	36.55		36.58	36.71	36.67	36.64	36.77
200		36.60	36.60		36.74	36.77	36.76	36.67	36.71
250		36.55	36.50		36.73	36.67	36.68	36.66	36.64
300		36.47	36.39		36.68	36.52	36.52	36.57	36.53
Avg.		36.6	36.4		36.7	36.6	36.6	36.6	36.6
400		36.10	36.22		36.33	36.19	36.00	36.17	36.01
500		35.62	35.60		36.05	35.94	35.73	35.61	35.67
600		35.20	35.17		35.66	35.60	35.47	35.22	35.11
800									
1000									
Avg.		35.6	35.7		36.0	35.9	35.7	35.7	35.6

Station 18

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.12	35.91	35.94	36.17		35.95	36.07	35.92
10		36.10	35.90	35.92	36.15		35.95	36.06	36.00
20		36.13	35.91	35.91	36.15		36.00	36.05	36.05
30		36.20	35.95	35.91	36.15		36.00	36.07	36.08
50		36.35	36.04	36.00	36.19		36.09	36.11	36.20
75		36.43	36.17	36.31	36.32		36.27	36.19	36.30
Avg.		36.2	36.0	36.0	36.2		36.0	36.1	36.1
100		36.40	36.32	36.49	36.47		36.43	36.33	36.32
150		36.40	36.34	36.50	36.54		36.44	36.45	36.54
200			35.80	36.25	36.28		36.24	36.06	36.07
250				35.98	35.99		35.93	35.49	35.48
300				35.72	35.63		35.59	35.28	35.18
Avg.		36.4	36.2	36.2	36.2		36.1	35.9	35.9
400				35.33	35.12			35.13	
500									
600									
800									
1000									
Avg.				35.3	35.1			35.1	

Table 1.--Salinities (‰), stations by cruise--Continued

Station 19

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.33	36.02	35.58	36.25		36.11	35.86	36.18
10		36.34	36.02	35.56	36.26		36.13	35.95	36.22
20		36.27	36.02	35.67	36.26		36.11	36.03	36.22
30		36.19	36.26	35.77	36.26		36.11	36.03	36.27
50									
75									
Avg.		36.3	36.1	35.6	36.3		36.1	36.0	36.2
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 20

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.36	36.00	35.39	35.40		35.91	36.31	36.43
10		36.36	36.02	35.39	35.40		35.93	36.29	36.38
20		36.29	36.02	35.35	35.56		35.96	36.29	36.30
30									
50									
75									
Avg.		36.3	36.0	35.4	35.5		35.9	36.3	36.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 21

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		35.97	35.73	31.12	33.26		35.46	36.27	35.04
10		35.95	35.91	34.31	33.38		35.54	36.27	35.12
20									
30									
50									
75									
Avg.		36.0	35.8	32.7	33.3		35.5	36.3	35.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 22

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.00	35.61	31.71	33.70		35.52	36.15	35.44
10		35.99	35.86		33.68		35.53	36.18	35.55
20									
30									
50									
75									
Avg.		36.0	35.7	31.7	33.7		35.5	36.2	35.5
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 23

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	34.94	35.58	35.48		32.43		35.11	35.86	35.91
10	35.10	35.62	35.75		33.03		35.21	35.85	35.41
20									
30									
50									
75									
Avg.	35.0	35.6	35.6		32.7		35.2	35.9	35.7
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 24

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.17	36.13	35.89	35.41	35.04		35.52	36.47	36.48
10	36.17	36.13	35.86	35.42	35.17		35.55	36.48	36.55
20	36.26	36.22	35.91	35.39					
30									
50									
75									
Avg.	36.2	36.2	35.9	35.4	35.1		35.5	36.5	36.5
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 25

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.11	36.36	35.91	35.94	36.31		36.02	36.47	36.32
10	36.13	36.30	35.90	35.97	36.31		36.05	36.47	36.29
20	36.13	36.24	36.06	35.94	36.32		36.06	36.44	36.31
30	36.15								
50									
75									
Avg.	36.1	36.3	36.0	35.9	36.3		36.0	36.5	36.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 26

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.20	36.35	35.95	35.80	36.23		35.99	35.61	36.10
10	36.18	36.33	35.95	35.83	36.24		35.92	35.93	36.10
20	36.17	36.33	36.00	35.82	36.23		36.03	35.95	36.08
30	36.13	36.36	36.03	35.81	36.18		36.14	36.06	36.09
50	35.97	36.35	36.07	35.84	36.16		36.32	36.22	36.12
75	35.59	36.17	36.06	35.96	36.29		36.47	36.24	36.22
Avg.	36.0	36.3	36.0	35.8	36.2		36.1	36.0	36.1
100	35.30	35.81	36.04	36.11	36.33		36.06	36.26	36.38
150	34.96			36.13					
200									
250									
300									
Avg.	35.1	35.8	36.0	36.1	36.3		36.1	36.3	36.4
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 27

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.15	35.88	35.89			35.89	36.06	35.96
10		36.13	35.87	35.87			35.91	36.02	35.95
20		36.13	35.86	35.89			36.01	36.02	35.95
30		36.13	35.91	35.88			36.05	36.04	35.95
50		36.40	35.97	35.93			36.15	36.09	35.95
75		36.62	36.08	36.13			36.31	36.20	36.05
Avg.		36.3	35.9	35.9			36.1	36.1	36.0
100		36.68	36.36	36.59			36.43	36.38	36.19
150		36.58	36.61	36.62			36.58	36.60	36.50
200		36.32	36.37	36.54			36.52	36.31	36.69
250		36.04	36.13	36.43			36.29	35.93	36.48
300			35.90	36.25			35.92	35.64	36.18
Avg.		36.4	36.3	36.5			36.3	36.2	36.4
400				35.81				35.26	35.24
500				35.41				35.08	34.91
600									
800									
1000									
Avg.				35.6				35.2	35.1

Station 28

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.21	35.90	35.97	36.39		36.01	36.15	36.00
10		36.20	35.90	35.96	36.38		36.09	36.13	36.09
20		36.20	35.90	36.00	36.36		36.07	36.22	36.15
30		36.20	35.91	36.04	36.37		36.06	36.24	36.17
50		36.37	35.97	36.16	36.38		36.11	36.29	36.22
75		36.61	36.15	36.42	36.39		36.27	36.38	36.26
Avg.		36.3	36.0	36.1	36.4		36.1	36.2	36.1
100		36.62	36.29	36.60	36.40		36.46	36.48	36.38
150		36.67	36.44	36.70	36.58		36.57	36.71	36.67
200		36.66	36.53	36.60	36.65		36.49	36.74	36.66
250		36.62	36.55	36.54	36.64		36.40	36.69	36.61
300		36.54	36.56	36.48	36.62		36.31	36.60	36.53
Avg.		36.6	36.5	36.6	36.6		36.4	36.6	36.6
400		36.28	36.22	36.40	36.38		36.08	36.27	36.23
500		35.91	35.95	36.18			35.82	35.78	35.75
600			35.73	35.72				35.39	35.37
800			34.88						
1000									
Avg.		36.1	35.7	36.1	36.4		35.9	35.8	35.8

Table 1.--Salinities (‰), stations by cruise--Continued

Station 29

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.21	35.75	36.00			35.78	36.11	35.96
10		36.19	35.81	36.02			35.77	36.14	35.96
20		36.20	35.84	36.05			35.77	36.12	35.97
30		36.21	35.86	36.06			35.77	36.13	35.91
50		36.38	35.96	36.12			35.93	36.16	35.89
75		36.56	36.25	36.41			36.23	36.46	36.15
Avg.		36.3	35.9	36.1			35.9	36.2	36.0
100		36.63	36.44	36.68			36.57	36.65	36.41
150		36.74	36.49	36.64			36.69	36.70	36.62
200		36.72	36.51	36.61			36.64	36.67	36.62
250		36.64	36.50	36.55			36.61	36.63	36.57
300		36.50	36.42	36.50			36.29	36.58	36.45
Avg.		36.6	36.5	36.6			36.6	36.6	36.5
400		36.02	36.08	36.33				36.45	36.02
500		35.30	35.56	36.02				36.17	35.59
600			35.10	35.66				35.77	35.21
800									
1000									
Avg.		35.7	35.6	36.0				36.1	35.6

Station 30

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.26	35.82	36.15			36.10	36.04	36.01
10		36.27	35.89	36.15			36.07	36.05	36.00
20		36.30	35.85	36.13			36.03	36.06	36.00
30		36.37	35.88	36.14			36.04	36.06	36.00
50		36.60	36.02	36.15			36.25	36.11	36.00
75		36.71	36.36	36.54			36.44	36.23	35.99
Avg.		36.4	36.0	36.2			36.2	36.1	36.0
100		36.57	36.54	36.92			36.44	36.35	36.19
150		36.37	36.56	36.87			36.35	36.29	36.70
200		36.22	36.41	36.73			36.35	36.24	36.62
250		35.95	36.21	36.62			36.32	35.99	36.41
300		35.64	35.88	36.44				35.68	36.19
Avg.		36.1	36.3	36.7			36.4	36.1	36.4
400			35.39	35.91					35.35
500				35.39					
600									
800									
1000									
Avg.			35.4	35.7					35.4

Table 1.--Salinities (‰), stations by cruise--Continued

Station 31

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.37	35.95	36.13			36.04	35.68	
10		36.40	35.90	36.13			35.97	35.90	
20		36.39	35.99	36.13			36.02	36.18	
30		36.40	36.08	36.14			36.07	36.20	
50							36.18		
75									
Avg.		36.4	36.0	36.1			36.1	36.0	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 32

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.18	36.10	35.61	36.00			35.79	36.13	
10	36.22	36.13	35.61	36.03			35.68	36.11	
20	36.20	36.22	35.80	36.15			35.93	36.14	
30	36.20	36.22	35.79	36.18			36.04	36.14	
50									
75									
Avg.	36.2	36.2	35.7	36.1			35.9	36.1	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 33

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	35.97	35.17	35.91	35.37	35.62		35.02	36.25	
10	36.00	35.37	35.91	35.34	35.59		35.10	36.24	
20	36.00								
30									
50									
75									
Avg.	36.0	35.3	35.9	35.4	35.6		35.1	36.2	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 34

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	34.56	34.70	35.44	34.34	32.84		34.78	35.71	
10	34.54	34.75	35.43	34.51	32.81		34.78	35.75	
20									
30									
50									
75									
Avg.	34.5	34.7	35.4	34.4	32.8		34.8	35.7	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 35

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	34.76	34.69	35.26	35.11	32.18		34.52	36.04	35.98
10	35.01	34.86	35.63	35.08	33.57		34.61	36.05	35.96
20									
30									
50									
75									
Avg.	34.9	34.8	35.4	35.1	32.9		34.6	36.0	36.0
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 36

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	35.25	34.61	34.87	36.13	35.11		34.20	36.06	36.16
10	35.25	34.69	35.16	36.10	35.14		34.42	35.92	36.09
20									
30									
50									
75									
Avg.	35.3	34.7	35.0	36.1	35.1		34.3	36.0	36.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 37

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.15	34.63	35.68	36.22	35.59		35.40	36.20	36.51
10	36.17	34.69	35.64	36.18	35.57		35.57	36.20	36.48
20	36.17		35.77	36.17	35.55		35.73	36.19	36.46
30	36.18								
50									
75									
Avg.	36.2	34.7	35.7	36.2	35.6		35.6	36.2	36.5
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 38

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.36	35.70	35.86	36.20	36.38		36.17	36.13	36.27
10	36.18	35.71	35.86	36.18	36.39		36.08	36.10	36.27
20	36.36	35.89	36.10	36.21	36.39		36.08	36.08	36.24
30	36.13	36.15	36.20	36.18	36.36		36.18	36.09	36.20
50									
75									
Avg.	36.3	35.9	36.0	36.2	36.4		36.1	36.1	36.2
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 39

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.20	36.36	36.04	36.18	36.12		35.78	36.09	36.18
10	36.22	36.36	36.06	36.20	36.14		35.79	36.06	36.17
20	36.24	36.36	36.06	36.20	36.15		35.94	36.08	36.16
30	36.26	36.35	36.06	36.19	36.19		36.23	36.14	36.15
50	36.33	36.26	36.05	36.20	36.25		36.48	36.25	36.15
75	36.38	36.02	35.87	36.33	36.30		36.46	36.34	36.16
Avg.	36.3	36.3	36.0	36.2	36.2		36.1	36.2	36.2
100	36.35	35.84	35.71	36.65			36.17	36.34	36.36
150	36.24	35.69	35.39	36.60			35.96	36.19	36.38
200	35.92	35.41	35.11	36.35			35.81	35.99	35.78
250	35.59		34.99	36.14			35.54	35.47	35.35
300	35.32		34.94	35.95			35.30		35.14
Avg.	35.9	35.6	35.2	36.3			35.8	36.0	35.8
400				35.57					
500									
600									
800									
1000									
Avg.				35.6					

Station 40

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.18	36.13	35.95	36.29	36.36		35.93		36.08
10	36.13	36.13	35.95	36.28	36.31		35.88		36.08
20	36.12	36.13	35.93	36.32	36.28		35.92		36.08
30	36.12	36.13	35.96	36.33	36.30		35.98		36.08
50	36.16	36.19	36.02	36.38	36.29		36.02		36.09
75	36.48	36.34	36.13	36.50	36.27		36.09		36.16
Avg.	36.2	36.2	36.0	36.3	36.3		36.0		36.1
100	36.72	36.48	36.26	36.65	36.33		36.36		36.36
150	36.70	36.60	36.60	36.88	36.38		36.64		36.69
200		36.59	36.58	36.92	36.44		36.58		36.48
250		36.53	36.53	36.92	36.51		36.44		36.23
300		36.47	36.44	36.83	36.37		36.27		36.02
Avg.	36.7	36.5	36.5	36.8	36.4		36.5		36.4
400		36.11	36.14		35.64		35.87		
500			35.86						
600									
800									
1000									
Avg.		36.1	36.0		35.6		35.9		

Table 1.--Salinities (‰), stations by cruise--Continued

Station 41

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	35.93	36.18	35.93	36.26			35.96		36.09
10	35.89	36.17	35.90	36.26	36.14		35.87		36.10
20	36.17	36.13	35.93	36.27	36.16		35.96		36.10
30	36.19	36.11	35.97	36.26	36.17		36.11		36.09
50	36.49	36.24	36.00	36.26	36.16		36.20		36.23
75	36.40	36.45	36.28	36.35	36.30		36.20		36.38
Avg.	36.2	36.2	36.0	36.3	36.2		36.1		36.2
100	36.31	36.67	36.56	36.62	36.33		36.23		36.47
150	36.66	36.59	36.24	36.97	36.11		35.94		36.47
200	36.65	36.10	35.94	36.73	35.78		35.62		36.17
250	36.53		35.55	36.29	35.55		35.42		35.53
300	36.46		35.21	35.97	35.40		35.24		35.28
Avg.	36.5	36.5	35.9	36.5	35.8		35.7		36.0
400					35.26				
500									
600									
800									
1000									
Avg.					35.3				

Station 42

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.22	34.85	36.02	36.17	36.26		36.02		36.26
10	36.22	34.81	36.02	36.16	36.18		36.04		36.18
20	36.00	35.02	36.17	36.17	36.26		36.04		36.27
30	36.22	35.61	36.20	36.16	36.30		36.25		36.25
50	36.21	36.07	36.20	36.16	36.33		36.47		36.22
75	36.09	35.96	35.99	36.20	36.29		36.40		36.22
Avg.	36.2	35.4	36.1	36.2	36.3		36.2		36.2
100		35.68	35.75	36.26			35.94		36.22
150									
200									
250									
300									
Avg.		35.7	35.7	36.3			35.9		36.2
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 43

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.29		35.10	36.18	36.31		36.10	36.02	36.40
10	36.27		35.35	36.25	36.29		36.11	36.01	36.32
20	36.22	36.14	35.84	36.24	36.26		36.13	36.03	36.34
30				36.22					
50									
75									
Avg.	36.3	36.1	35.4	36.2	36.3		36.1	36.0	36.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 44

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	34.92	33.58	34.97	36.06	35.55		35.64	36.08	36.36
10	34.99	34.36	34.96	36.04	35.71		35.39	36.07	36.35
20									
30									
50									
75									
Avg.	35.0	34.0	35.0	36.1	35.6		35.5	36.1	36.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 45

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	33.64	33.44	35.01	36.17			34.20	36.16	35.86
10	34.69	34.75	35.16	36.16			35.17		35.89
20									
30									
50									
75									
Avg.	34.2	34.1	35.1	36.2			34.7	36.2	35.9
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 46

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	33.82	33.91	35.05	35.80	34.05			35.89	35.87
10	34.22			35.82					35.91
20									
30									
50									
75									
Avg.	34.0	33.9	35.1	35.8	34.1			35.9	35.9
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 47

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.27	34.56	35.73	36.32	36.32			36.15	36.35
10	36.26	34.78	35.39	36.30	36.31		36.03	36.16	36.37
20	36.26	35.99	35.37	36.29	36.29		35.90	36.13	36.39
30									
50									
75									
Avg.	36.3	35.1	35.5	36.3	36.3		36.0	36.1	36.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 48

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.22	36.26	36.04	36.18	36.36		36.58	36.05	36.36
10	36.20	36.27	36.02	36.14	36.36		36.08	36.04	36.31
20	36.18	36.34	36.04	36.15	36.34		36.16	36.06	36.29
30	36.20	36.35	36.11	36.15	36.34		36.31	36.15	36.29
50	36.15	36.35	36.17	36.18	36.33		36.44	36.18	36.30
75	35.81	36.28	36.04	36.33	36.33		36.10	35.78	36.31
Avg.	36.1	36.3	36.1	36.2	36.3		36.3	36.0	36.3
100	35.62	36.17	35.86	36.40	36.33		35.86	35.45	36.31
150	35.37	35.80	35.39	36.33	36.15		35.71	34.97	36.20
200	35.30	35.35					35.62	34.95	
250		35.08							
300		34.96							
Avg.	35.4	35.5	35.6	36.4	36.2		35.7	35.1	36.3
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 49

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.27	36.11	36.06	36.13	36.19		36.14		36.20
10	36.23	36.15	36.04	36.11	36.20		36.22	36.00	36.24
20	36.14	36.19	36.04	36.12	36.18		36.44	36.26	36.27
30	36.04	36.24	36.04	36.13	36.22		36.30	36.36	36.29
50	35.95	36.22	36.10	36.17	36.30		36.08	36.43	36.30
75	35.95	36.06	36.17	36.40	36.38		36.08	36.14	36.28
Avg.	36.1	36.2	36.1	36.2	36.2		36.2	36.2	36.3
100	35.94	35.91	36.17	36.63	36.43		36.08	35.99	36.26
150	35.83	35.59	35.77	36.64	36.32		36.08	35.99	36.04
200	35.52	35.21		36.28	36.11		35.75		35.70
250	35.29	34.97		36.07	35.83		35.50		35.46
300				35.94			35.32		
Avg.	35.6	35.4	36.0	36.3	36.2		35.7	36.0	35.9
400									
500									
600									
800									
1000									
Avg.									

Station 50

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.22		35.99	36.35	36.08		36.10	36.09	36.09
10	36.17		35.99	36.28	36.08		36.06	36.09	36.10
20	36.17		35.99	36.31	36.07		35.95	36.05	36.10
30	36.18		35.95	36.27	36.06		35.93	36.02	36.10
50	36.21		35.94	36.27	36.11		35.97	36.04	36.09
75	36.35		36.03	36.59	36.23		36.29	36.17	36.08
Avg.	36.2		36.0	36.3	36.1		36.1	36.1	36.1
100	36.50		36.24	36.79	36.28		36.27	36.41	36.14
150	36.71		36.64	36.85	36.33		36.05	36.68	36.51
200	36.63		36.59	36.96	36.30		35.83	36.64	36.54
250	36.37		36.41	36.75	36.21		35.64	36.60	35.97
300	36.09		36.27	36.47	36.06		35.43	36.44	35.52
Avg.	36.5		36.4	36.8	36.2		35.8	36.6	36.1
400	35.70		36.01	36.21	35.54			36.02	35.06
500	35.43		35.55	36.05				35.68	
600				35.62					
800									
1000									
Avg.	35.6		35.8	36.0	35.5			35.9	35.1

Table 1.--Salinities (‰), stations by cruise--Continued

Station 51

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.24		36.01	36.22	36.30		36.06	35.98	36.23
10	36.32		36.00	36.19	36.30		36.04	35.99	36.21
20	36.30		35.97	36.22	36.31		36.10	36.01	36.19
30	36.28		35.95	36.24	36.32		36.18	36.00	36.18
50	36.29		35.97	36.33	36.36		36.21	35.99	36.24
75	36.42		36.06	36.54	36.41		36.13	35.99	36.26
Avg.	36.3		36.0	36.3	36.3		36.1	36.0	36.2
100	36.55		36.21	36.65	36.41		35.95	36.03	36.33
150	36.18		36.63	36.64	35.92		35.65	36.25	36.16
200	35.89		36.64	36.59	35.63		35.40	36.14	35.65
250	35.73		36.65	36.35	35.42		35.23	35.84	35.36
300			36.60	36.14	35.25		35.15	35.52	35.24
Avg.	36.1		36.5	36.5	35.7		35.5	36.0	35.7
400				35.74			35.02	35.15	
500				35.30					
600									
800									
1000									
Avg.				35.5			35.0	35.1	

Station 52

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.11		36.04	36.13	36.36		36.19	36.11	36.29
10	36.11		36.04	36.10	36.36		36.03	36.12	36.29
20	36.09		36.11	36.11	36.34		36.05	36.13	36.28
30	35.94		36.18	36.10	36.38		36.10	36.22	36.27
50	35.72		36.19	36.09	36.43		36.16	36.29	36.26
75	35.61			36.40	36.44		36.13	36.09	36.23
Avg.	35.9		36.1	36.2	36.4		36.1	36.2	36.3
100	35.59			36.62	36.45		36.06	35.91	36.20
150	35.43			36.38	36.21		35.80	35.62	35.68
200	35.29			36.05	35.65		35.59	35.54	35.19
250	35.19			35.81	35.46		35.38	35.39	35.15
300				35.72	35.34		35.16	35.17	35.16
Avg.	35.4			36.1	35.8		35.6	35.5	35.5
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 53

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.20	36.35	35.43	36.09	36.38		36.44	36.18	36.21
10	36.18	36.35	35.44	36.09	36.36		36.02	36.15	36.29
20	36.15	36.34	35.91	36.09	36.36		36.14	36.13	36.22
30	36.11	36.38	36.09	36.10	36.39		36.24	36.22	36.24
50	36.08	36.43	36.28	36.12	36.44		36.38	36.31	36.26
75	35.84	36.41	36.18	36.26	36.43		36.28	36.17	36.18
Avg.	36.1	36.4	35.9	36.1	36.4		36.3	36.2	36.2
100	35.79	36.36	36.07	36.51	36.42		36.17	36.00	36.12
150	35.44	35.95		36.49	36.17		35.95	35.55	36.04
200									
250									
300									
Avg.	35.6	36.2	36.1	36.5	36.3		36.1	35.8	36.1
400									
500									
600									
800									
1000									
Avg.									

Station 54

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		34.25	35.55	36.14	36.36		35.67	36.23	36.36
10	36.13	35.93	35.59	36.14	36.37		35.68	36.17	36.33
20	36.11	36.15	36.15	36.15	36.16		36.00	36.18	36.31
30									
50									
75									
Avg.	36.1	35.4	35.8	36.1	36.3		35.8	36.2	36.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 55

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		33.77	35.33	36.03	35.48		35.52	36.03	36.46
10		35.70	35.48	36.02	35.69		35.57	36.05	36.45
20									
30									
50									
75									
Avg.		34.7	35.4	36.0	35.6		35.5	36.0	36.5
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 56

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	34.13	33.49	34.74	35.79	34.75			35.51	35.94
10									
20									
30									
50									
75									
Avg.	34.1	33.5	34.7	35.8	34.7			35.5	35.9
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.-- Salinities (‰), stations by cruise--Continued

Station 57

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	35.90	33.66	34.43	36.04			35.10	36.12	36.53
10	35.95	33.75	35.35	36.08			35.12	36.06	36.47
20									
30									
50									
75									
Avg.	35.9	33.7	34.9	36.1			35.1	36.1	36.5
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 58

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	34.18	33.76	35.62	36.16	36.15		35.17	35.88	36.35
10	34.61	35.29	35.61	36.17	36.13		35.12	35.85	36.34
20									
30									
50									
75									
Avg.	34.4	34.5	35.6	36.2	36.1		35.1	35.9	36.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 59

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.17	35.10	35.61	36.26	36.42		35.93	35.91	36.30
10	36.20	35.32	35.61	36.26	36.43		35.89	36.11	36.27
20	36.18				36.42		36.09		36.33
30									
50									
75									
Avg.	36.2	35.2	35.6	36.3	36.4		36.0	36.0	36.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 60

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	35.99	35.65	35.94	36.18			36.07	36.08	36.26
10	35.97	35.80	35.95	36.17			36.08	36.11	36.29
20	35.97	36.15	35.95	36.18			36.00	36.13	36.26
30	35.99	36.24	36.05	36.20			36.13	36.24	36.26
50	36.10	36.34	36.18	36.26			36.33	36.35	36.27
75	36.22	36.31	36.18	36.38			36.47	36.17	36.32
Avg.	36.0	36.1	36.0	36.2			36.2	36.2	36.3
100	35.99	36.11	36.14	36.50			36.51	35.99	36.33
150		35.84	35.69	36.67			36.33	35.64	36.27
200		35.64					35.96	35.27	36.00
250									
300									
Avg.	36.0	35.9	35.9	36.6			36.3	35.6	36.2
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 61

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.06	36.20	35.68	36.29	36.36		36.06	36.16	36.09
10	36.06	36.18	35.69	36.27	36.35		35.97	36.15	36.06
20	36.06	36.18	35.87	36.26	36.35		35.88	36.16	36.05
30	36.02	36.14	36.09	36.28	36.36		36.06	36.17	36.07
50	35.97	35.99	36.21	36.36	36.36		36.33	36.25	36.14
75	35.97	35.66	36.20	36.61	36.36		36.39	36.31	36.41
Avg.	36.0	36.1	36.0	36.3	36.4		36.1	36.2	36.1
100	35.89	35.39	36.07	36.78	36.30		36.44	36.31	36.44
150	35.57	35.21	35.57	36.85	35.88		35.97	35.90	36.38
200	35.47	35.15	35.43	36.47	35.57		35.73	35.55	35.89
250	35.26	35.07	35.29	36.28	35.34		35.53	35.35	35.69
300		35.01		36.08	35.19		35.37		35.42
Avg.	35.5	35.2	35.6	36.5	35.7		35.8	35.8	36.0
400		34.99		35.63			35.14		
500									
600									
800									
1000									
Avg.		35.0		35.6			35.1		

Station 62

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.17	36.24	36.02	36.27	36.31		36.04	36.13	36.13
10	36.26	36.27	36.03	36.26	36.37		35.97	36.13	36.17
20	36.20	36.29	36.07	36.26	36.34		35.98	36.14	36.15
30	36.20	36.32	36.06	36.27	36.35		36.05	36.17	36.12
50	36.23	36.43	36.06	36.29	36.36		36.18	36.20	36.11
75	36.45	36.44	36.11	36.50	36.38		36.26	36.25	36.18
Avg.	36.3	36.3	36.1	36.3	36.4		36.1	36.2	36.1
100	36.60	36.43	36.29	36.70	36.36		36.23	36.40	36.34
150	36.67	36.58	36.64	36.74	36.01		36.20	36.78	36.55
200	36.64	36.39	36.57	36.76	35.61		36.32	36.79	36.46
250	36.53	36.29	36.25	36.60	35.35		35.88	36.60	36.34
300	36.40	36.20	35.75	36.44	35.23		35.59	36.46	36.19
Avg.	36.6	36.4	36.3	36.6	35.7		36.0	36.6	36.4
400	36.10	36.14		36.13	35.13		35.33	36.02	35.84
500	35.75			35.76	35.08			35.46	35.45
600	35.34			35.45				35.26	
800									
1000									
Avg.	35.7	36.1		35.8	35.1		35.3	35.6	35.6

Table 1.--Salinities (‰), stations by cruise--Continued

Station 63

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.36	36.04	36.21	36.29		35.97	36.08	36.09
10		36.38	36.04	36.18	36.20		35.88	36.21	36.08
20		36.36	36.04	36.18	36.21		35.97	36.26	36.09
30		36.35	36.06	36.18	36.28		35.97	36.27	36.12
50		36.37	36.18	36.18	36.36		36.19	36.31	36.14
75		36.40	36.36	36.39	36.35		36.52	36.41	36.15
Avg.		36.4	36.1	36.2	36.3		36.1	36.3	36.1
100		36.04	36.53	36.55	36.32		36.73	36.70	36.30
150		35.80	36.47	36.73	36.00		36.48	36.93	36.46
200			36.11	36.81	35.63		36.66	36.85	36.46
250			35.85	36.74	35.43		36.63	36.72	36.34
300			35.65	36.66	35.28		36.62	36.54	35.90
Avg.		35.9	36.1	36.7	35.7		36.6	36.7	36.3
400				36.47	35.12		36.33	35.87	35.27
500				36.16	35.08				
600				35.71	35.08				
800									
1000									
Avg.				36.1	35.1		36.3	35.9	35.3

Station 64

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.24	35.84	36.25	36.31		36.18	36.20	
10		36.24	36.08	36.24	36.29		36.12	36.22	
20		36.40	36.09	36.26	36.26		36.11	36.22	
30		36.40	36.22	36.26	36.28		36.19	36.22	
50		36.40	36.37	36.26	36.32		36.39	36.26	
75			36.32	36.27	36.37		36.54	36.37	
Avg.		36.3	36.2	36.3	36.3		36.3	36.2	
100			36.25	36.36	36.40		36.47	36.50	
150			36.01	36.75	36.34		36.31	36.32	
200			35.70	36.56	35.75		36.15	35.94	
250			35.51	36.51					
300				36.02					
Avg.			35.9	36.4	36.2		36.3	36.3	
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 65

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		35.59	36.08	36.11	36.33		36.14	36.31	36.33
10		35.64	36.09	36.09	36.31		36.15	36.32	36.32
20		36.08	36.10	36.09	36.33		36.09	36.40	36.33
30		36.42	36.32	36.11	36.29		36.28	36.47	36.26
50									
75									
Avg.		35.9	36.1	36.1	36.3		36.2	36.4	36.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 66

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		34.36	35.70	36.18	36.38		36.02	36.48	36.43
10		34.85	35.90	36.20	36.36		35.94	36.45	36.35
20		36.19	36.28	36.18	35.88		36.20		36.38
30									
50									
75									
Avg.		35.1	36.0	36.2	36.2		36.1	36.5	36.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 67

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		34.22	35.62	35.59	34.88		35.57	36.21	36.43
10		35.71	35.68	35.62	35.25		35.41	36.24	36.38
20									
30									
50									
75									
Avg.		35.0	35.7	35.6	35.1		35.5	36.2	36.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 68

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		34.76	35.69	35.23	36.13		35.57	36.24	36.33
10		34.76	35.70	35.23	36.08		35.66	36.26	36.33
20									
30									
50									
75									
Avg.		34.8	35.7	35.2	36.1		35.6	36.3	36.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 69

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	35.01	34.60	36.06	33.60	35.80		35.77	36.35	36.35
10	35.14	34.63	36.04	34.61	35.90		35.71	36.31	36.35
20									
30									
50									
75									
Avg.	35.1	34.6	36.1	34.1	35.9		35.7	36.3	36.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 70

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	35.81	34.60	35.71	34.70	36.44		36.65	36.21	36.31
10	35.93	34.61	35.71	34.74	36.42		36.58	36.23	36.30
20	35.88	35.68	35.84	34.73	36.41		36.61	36.21	36.31
30									
50									
75									
Avg.	35.9	35.0	35.8	34.7	36.4		36.6	36.2	36.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 71

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.17	36.36	35.95		36.29		36.53	36.18	36.22
10	36.11	36.33	35.95		36.26		36.42	36.24	36.23
20	36.11	36.36	35.95		36.27		36.42	36.28	36.26
30	35.97	36.36	36.13		36.27		36.44	36.30	36.25
50		36.36	36.33		36.28		36.48	36.30	36.24
75		36.38	36.31		36.31		36.51	36.23	36.23
Avg.	36.1	36.4	36.1		36.3		36.5	36.3	36.2
100		36.42			36.35		36.53	36.08	36.22
150									
200									
250									
300									
Avg.		36.4			36.3		36.5	36.1	36.2
400									
500									
600									
800									
1000									
Avg.									

Station 72

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.44	36.29	36.07				36.26	36.22	36.24
10	36.27	36.32	36.04				36.11	36.21	36.21
20	36.27	36.35	36.06				36.17	36.24	36.22
30	36.28	36.43	36.10				36.19	36.25	36.23
50	36.38	36.46	36.19				36.29	36.31	36.26
75	36.72	36.46	36.26				36.58	36.43	36.31
Avg.	36.4	36.4	36.1				36.3	36.3	36.2
100	36.82	36.43	36.39				36.68	36.58	36.33
150	36.48	36.06	36.54				36.45	36.82	36.26
200	36.07	35.84	36.21				36.28	36.46	36.27
250	35.94	35.73					36.23	35.91	36.16
300	35.82	35.62					36.05		35.84
Avg.	36.2	35.9	36.4				36.3	36.4	36.2
400	35.64	35.14					35.49		
500	35.53						35.17		
600									
800									
1000									
Avg.	35.6	35.1					35.3		

Table 1.--Salinities (‰), stations by cruise--Continued

Station 73

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.11					35.88	36.17	
10		36.10					35.85	36.30	
20		36.11					35.93	36.30	
30		36.16					35.98	36.29	
50		36.27					36.25	36.29	
75		36.43					36.48	36.33	
Avg.		36.2					36.1	36.3	
100		36.54					36.55	36.42	
150		36.65					36.58	36.59	
200		36.65					36.58	36.58	
250		36.56					36.55	36.26	
300		36.46					36.49	35.87	
Avg.		36.6					36.5	36.3	
400		36.18					36.41	35.45	
500							36.05	35.37	
600							35.76		
800							35.42		
1000									
Avg.		36.2					35.9	35.4	

Station 74

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	36.36	36.15					36.09	36.31	
10	36.30	36.13					36.20	36.35	
20	36.28	36.10					36.32	36.34	
30	36.29	36.16					36.38	36.32	
50	36.28	36.28					36.46	36.37	
75	36.27	36.44					36.44	36.49	
Avg.	36.3	36.2					36.3	36.4	
100	36.33	36.54					36.45	36.36	
150	36.22	36.53					36.62	36.08	
200		36.50					36.56	35.80	
250		36.37					36.39	35.64	
300		36.08					36.15	35.50	
Avg.	36.3	36.4					36.4	35.9	
400		35.52					35.77	35.22	
500		35.16					35.36	35.06	
600		35.08					35.11		
800		34.99							
1000		34.97							
Avg.		35.1					35.4	35.1	

Table 1.--Salinities (‰), stations by cruise--Continued

Station 75

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	35.35	35.64	35.88	36.31	36.42			36.12	
10	35.35	35.61	35.90	36.29	36.42			36.09	
20	35.35	35.61	36.06	36.27	36.34			36.18	
30		36.02	36.27	36.24	36.34			36.18	
50									
75									
Avg.	35.3	35.7	36.0	36.3	36.4			36.1	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 76

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0			35.75	32.76	35.59		35.37		
10			35.83	32.75	35.99		35.70		
20									
30									
50									
75									
Avg.			35.8	32.8	35.8		35.5		
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 77

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0	33.01	35.62	35.59	32.00	35.18		35.65	35.23	
10	33.86	35.62	35.84	32.00	35.17		35.99	35.22	
20			36.11		36.01		36.18	35.66	
30									
50									
75									
Avg.	33.4	35.6	35.8	32.0	35.5		35.9	35.4	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 78

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		35.07					35.73	35.68	
10		35.07					35.94	36.02	
20		35.12					36.10	36.02	
30									
50									
75									
Avg.		35.1					35.9	35.9	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Salinities (‰), stations by cruise--Continued

Station 79

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.27					35.86	36.02	
10		36.27					35.92	36.05	
20		36.16					35.86	36.07	
30		36.27					35.88	36.09	
50		36.35					36.03	36.09	
75		36.49					36.43	36.14	
Avg.		36.3					36.0	36.1	
100		36.49					36.62	36.28	
150		36.40					36.67	36.06	
200		36.11					36.62	35.78	
250		35.76					36.57	35.64	
300		35.45					36.53	35.33	
Avg.		36.0					36.6	35.8	
400							35.98		
500							35.37		
600							35.08		
800									
1000									
Avg.							35.5		

Station 80

Depth (m.)	Cruise 1	2	3	4	5	6	7	8	9
0		36.17					35.89	36.12	
10		36.15					36.02	36.13	
20		36.18					35.98	36.09	
30		36.19					36.12	36.12	
50		36.23					36.35	36.19	
75		36.33					36.54	36.34	
Avg.		36.2					36.1	36.2	
100		36.41					36.65	36.51	
150		36.52					36.68	36.80	
200		36.55					36.58	36.80	
250		36.54					36.54	36.74	
300		36.50					36.51	36.42	
Avg.		36.5					36.6	36.7	
400		36.32					36.47	35.90	
500		36.01					36.14		
600		35.61					35.74		
800		35.07					35.17		
1000		35.02					35.10		
Avg.		35.6					35.7	35.9	

Table 2.--Salinities (‰), by section, cruise 1

Depth (m.)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	36.18	36.18	36.35	36.17	36.15	36.18
10	36.15	36.15	36.33	36.18	36.11	36.27
20		36.21	36.36	36.08	36.13	36.24
30		36.15	36.36	35.90	36.11	36.26
50		36.29	36.36		36.18	36.20
75		36.72	36.41		36.50	36.30
Avg.	36.2	36.3	36.4	36.1	36.2	36.2
100		36.80	36.47		36.60	36.39
150		36.51	36.72		36.36	36.58
200		36.29	36.80		36.09	36.60
250		36.06	36.62		35.79	36.41
300		35.76	36.47		35.50	36.24
Avg.		36.3	36.6		36.1	36.4
400		35.20	36.27			
500			35.84			
600						
Avg.		35.2	36.1			

Depth (m.)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	36.09			36.22				
10	36.17			36.18				
20				36.18				
30				36.18				
50				36.18				
75				36.27				
Avg.	36.1			36.2				
100				36.36				
150				36.56				
200				36.64				
250				36.48				
300				36.31				
Avg.				36.5				
400				35.93				
500				35.43				
600				35.12				
800								
Avg.				35.5				

Table 2.--Salinities (‰), by section, cruise 1--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0					
10					
20					
30					
50					
75					
Avg.					
100					
150					
200					
250					
300					
Avg.					
400					
500					
600					
Avg.					

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	34.94	36.17	36.11	36.20		
10	35.10	36.17	36.13	36.18		
20		36.26	36.13	36.17		
30			36.15	36.13		
50				35.97		
75				35.59		
Avg.	35.0	36.2	36.1	36.0		
100				35.30		
150				34.96		
200						
250						
300						
Avg.				35.1		
400						
500						
600						
Avg.						

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	34.56	35.97	36.18			
10	34.54	36.00	36.22			
20		36.00	36.20			
30			36.20			
50						
75						
Avg.	34.5	36.0	36.2			
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
Avg.						

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	35.25	36.15	36.36	36.20	36.18
10	35.25	36.17	36.18	36.22	36.13
20		36.17	36.36	36.24	36.12
30		36.18	36.13	36.26	36.12
50				36.33	36.16
75				36.38	36.48
Avg.	35.3	36.2	36.3	36.3	36.2
100				36.35	36.72
150				36.24	36.70
200				35.92	
250				35.59	
300				35.32	
Avg.				35.9	36.7
400					
500					
600					
Avg.					

Table 2.--Salinities (‰), by section, cruise 1--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	34.92	36.29	36.22	35.93	36.18
10	34.99	36.27	36.22	35.89	36.13
20		36.22	36.00	36.17	36.12
30			36.22	36.19	36.12
50			36.21	36.49	36.16
75			36.09	36.40	36.48
Avg.	35.0	36.3	36.2	36.2	36.2
100				36.31	36.72
150				36.66	36.70
200				36.65	
250				36.53	
300				36.46	
Avg.				36.5	36.7
400					
500					
600					
Avg.					

Cape Romain Section

Stations 46	47	48	49	50
33.82	36.27	36.22	36.27	36.22
34.22	36.26	36.20	36.23	36.17
	36.26	36.18	36.14	36.17
		36.20	36.04	36.18
		36.15	35.95	36.21
		35.81	35.95	36.35
34.0	36.3	36.1	36.1	36.2
		35.62	35.94	36.50
		35.37	35.83	36.71
		35.30	35.52	36.63
			35.29	36.37
				36.09
		35.4	35.6	36.5
				35.70
				35.43
				35.6

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	34.13			36.20	36.11	36.24
10			36.13	36.18	36.11	36.32
20			36.11	36.15	36.09	36.30
30				36.11	35.94	36.28
50				36.08	35.72	36.29
75				35.84	35.61	36.42
Avg.	34.1		36.1	36.1	35.9	36.3
100				35.79	35.59	36.55
150				35.44	35.43	36.18
200					35.29	35.89
250					35.19	35.73
300						
Avg.				35.6	35.4	36.1
400						
500						
600						
Avg.						

Cape Fear Section

Stations 58	59	60	61	62
34.18	36.17	35.99	36.06	36.17
34.61	36.20	35.97	36.06	36.26
	36.18	35.97	36.06	36.20
		35.99	36.02	36.20
		36.10	35.97	36.23
		36.22	35.97	36.45
34.4	36.2	36.0	36.0	36.3
		35.99	35.89	36.60
			35.57	36.67
			35.47	36.64
			35.26	36.53
				36.40
		36.0	35.5	36.6
				36.10
				35.75
				35.34
				35.7

Table 2.--Salinities (‰), by section, cruise 1--Continued

Onslow Bay Section

Depth (m.)	Stations 67	66	65	64	63
0					
10					
20					
30					
50					
75					
Avg.					
100					
150					
200					
250					
300					
Avg.					
400					
500					
600					
Avg.					

Cape Lookout Section

Depth (m.)	Stations 69	70	71	72
0	35.01	35.81	36.17	36.44
10	35.14	35.93	36.11	36.27
20		35.88	36.11	36.27
30			35.97	36.28
50				36.38
75				36.72
Avg.	35.1	35.9	36.1	36.4
100				36.82
150				36.48
200				36.07
250				35.94
300				35.82
Avg.				36.2
400				35.64
500				35.53
600				
Avg.				35.6

Raleigh Bay Section

Depth (m.)	Stations 76	75	74	73
0		35.35	36.36	
10		35.35	36.30	
20		35.35	36.28	
30			36.29	
50			36.28	
75			36.27	
Avg.		35.3	36.3	
100			36.33	
150			36.22	
200				
250				
300				
Avg.			36.3	
400				
500				
600				
800				
1000				
Avg.				

Hatteras Section

Depth (m.)	Stations 78	79	80

Table 3.--Salinities (‰), by section, cruise 2

Depth (m.)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	36.26	36.25	36.10	36.30	36.18	36.13
10	36.30	36.23	36.06	36.26	36.12	36.12
20		36.27	36.07	36.12	36.09	36.09
30		36.31	36.06	36.08	36.09	36.09
50		36.34	36.07		36.13	36.08
75		36.32	36.16		36.28	36.26
Avg.	36.3	36.3	36.1	36.2	36.1	36.1
100		36.14	36.35		36.38	36.46
150		35.54	36.72		36.43	36.70
200			36.63		36.28	36.62
250			36.31		36.01	36.47
300			36.06			36.30
Avg.		35.8	36.4		36.3	36.5
400			35.53			35.84
500						
600						
Avg.			35.5			35.8

Depth (m.)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	36.27	36.29	36.12	36.07	36.22	36.35	36.08	36.08
10		36.26	36.10	36.06	36.24	36.33	36.09	36.08
20		36.11	36.13	36.10		36.31	36.08	36.04
30			36.13	36.10		36.29	36.06	36.25
50			36.21	36.07			36.06	36.54
75			36.36	36.36			36.23	36.62
Avg.	36.3	36.2	36.2	36.1	36.2	36.3	36.1	36.3
100			36.42	36.57			36.39	36.67
150			36.44	36.64			36.65	36.67
200			36.21	36.60			36.61	36.58
250				36.46			36.54	36.51
300				36.27			36.45	36.44
Avg.			36.4	36.5			36.5	36.6
400				35.88			36.15	36.27
500				35.49			35.77	35.86
600				35.14			35.32	35.47
800								
Avg.				35.5			35.7	35.9

Table 3.--Salinities (‰), by section, cruise 2--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	35.97	36.36	36.33	36.12	36.13
10	35.95	36.36	36.34	36.10	36.09
20		36.29	36.27	36.13	36.13
30			36.19	36.20	36.20
50				36.35	36.43
75				36.43	36.67
Avg.	36.0	36.3	36.3	36.2	36.3
100				36.40	36.68
150				36.40	36.63
200					36.60
250					36.55
300					36.47
Avg.				36.4	36.6
400					36.10
500					35.62
600					35.20
Avg.					35.6

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	35.58	36.13	36.36	36.35	36.15	36.21
10	35.62	36.13	36.30	36.33	36.13	36.20
20		36.22	36.24	36.33	36.13	36.20
30				36.36	36.13	36.20
50				36.35	36.40	36.37
75				36.17	36.62	36.61
Avg.	35.6	36.2	36.3	36.3	36.3	36.3
100				35.81	36.68	36.62
150					36.58	36.67
200					36.32	36.66
250					36.04	36.62
300						36.54
Avg.				35.8	36.4	36.6
400						36.28
500						35.91
600						
Avg.						36.1

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	34.70	35.17	36.10	36.37	36.26	36.21
10	34.75	35.37	36.13	36.40	36.27	36.19
20			36.22	36.39	36.30	36.20
30			36.22	36.40	36.37	36.21
50					36.60	36.38
75					36.71	36.56
Avg.	34.7	35.3	36.2	36.4	36.4	36.3
100					36.57	36.63
150					36.37	36.74
200					36.22	36.72
250					35.95	36.64
300					35.64	36.50
Avg.					36.1	36.6
400						36.02
500						35.30
600						
Avg.						35.7

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	34.61	34.63	35.70	36.36	36.13
10	34.69	34.69	35.71	36.36	36.13
20			35.89	36.36	36.13
30			36.15	36.35	36.13
50				36.26	36.19
75				36.02	36.34
Avg.	34.7	34.7	35.9	36.3	36.2
100				35.84	36.48
150				35.69	36.60
200				35.41	36.59
250					36.53
300					36.47
Avg.				35.6	36.5
400					36.11
500					
600					
Avg.					36.1

Table 3.--Salinities (‰), by section, cruise 2--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	33.58		34.85	36.18	36.13
10	34.36		34.81	36.17	36.13
20		36.14	35.02	36.13	36.13
30			35.61	36.11	36.13
50			36.07	36.24	36.19
75			35.96	36.45	36.34
Avg.	34.0	36.1	35.4	36.2	36.2
100			35.68	36.67	36.48
150				36.59	36.60
200				36.10	36.59
250					36.53
300					36.47
Avg.			35.7	36.5	36.5
400					36.11
500					
600					
Avg.					36.1

Cape Romain Section

Depth (m.)	Stations 46	47	48	49	50
0	33.91	34.56	36.26	36.11	
10		34.78	36.27	36.15	
20		35.99	36.34	36.19	
30			36.35	36.24	
50			36.35	36.22	
75			36.28	36.06	
Avg.	33.9	35.1	36.3	36.2	
100			36.17	35.91	
150			35.80	35.59	
200			35.35	35.21	
250			35.08	34.97	
300			34.96		
Avg.			35.5	35.4	

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	33.49	33.77	34.25	36.35		
10		35.70	35.93	36.35		
20			36.15	36.34		
30				36.38		
50				36.43		
75				36.41		
Avg.	33.5	34.7	35.4	36.4		
100				36.36		
150				35.95		
200						
250						
300						
Avg.				36.2		
400						
500						
600						
Avg.						

Cape Fear Section

Depth (m.)	Stations 58	59	60	61	62
0	33.76	35.10	35.65	36.20	36.24
10	35.29	35.32	35.80	36.18	36.27
20			36.15	36.18	36.29
30			36.24	36.14	36.32
50			36.34	35.99	36.43
75			36.31	35.66	36.44
Avg.	34.5	35.2	36.1	36.1	36.3
100			36.11	35.39	36.43
150			35.84	35.21	36.58
200			35.64	35.15	36.39
250				35.07	36.29
300				35.01	36.20
Avg.			35.9	35.2	36.4
400				34.99	36.14
500					
600					
Avg.				35.0	36.1

Table 3.--Salinities (‰), by section, cruise 2--Continued

Onslow Bay Section

Depth (m.)	Stations 67	66	65	64	63
0	34.22	34.36	35.59	36.24	36.36
10	35.71	34.85	35.64	36.24	36.38
20		36.19	36.08	36.40	36.36
30			36.42	36.40	36.35
50				36.40	36.37
75					36.40
Avg.	35.0	35.1	35.9	36.3	36.4
100					36.04
150					35.80
200					
250					
300					
Avg.					35.9
400					
500					
600					
Avg.					

Cape Lookout Section

Depth (m.)	Stations 69	70	71	72
0	34.60	34.60	36.36	36.29
10	34.63	34.61	36.33	36.32
20		35.68	36.36	36.35
30			36.36	36.43
50			36.36	36.46
75			36.38	36.46
Avg.	34.6	35.0	36.4	36.4
100			36.42	36.43
150				36.06
200				35.84
250				35.73
300				35.62
Avg.			36.4	35.9
400				35.14
500				
600				
Avg.				35.1

Raleigh Bay Section

Depth (m.)	Stations 76	75	74	73
0		35.64	36.15	36.11
10		35.61	36.13	36.10
20		35.61	36.10	36.11
30		36.02	36.16	36.16
50			36.28	36.27
75			36.44	36.43
Avg.		35.7	36.2	36.2
100			36.54	36.54
150			36.53	36.65
200			36.50	36.65
250			36.37	36.56
300			36.08	36.46
Avg.			36.4	36.6
400			35.52	36.18
500			35.16	
600			35.08	
800			34.99	
1000			34.97	
Avg.			35.1	36.2

Hatteras Section

Depth (m.)	Stations 78	79	80
0	35.07	36.27	36.17
10	35.07	36.27	36.15
20	35.12	36.16	36.18
30		36.27	36.19
50		36.35	36.23
75		36.49	36.33
Avg.	35.1	36.3	36.2
100		36.49	36.41
150		36.40	36.52
200		36.11	36.55
250		35.76	36.54
300		35.45	36.50
Avg.		36.0	36.5
400			36.32
500			36.01
600			35.61
800			35.07
1000			35.02
Avg.			35.6

Table 4.--Salinities (‰), by section, cruise 3

Depth (m.)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	35.73	35.88	35.97	35.99	35.84	35.97
10	35.75	35.88	35.93	36.25	35.84	35.99
20		35.88	35.95	36.25	35.87	35.97
30		35.90	35.96	36.22	35.89	35.98
50		35.97	35.98		35.98	36.00
75		36.23	36.19		36.13	36.21
Avg.	35.7	36.0	36.0	36.2	35.9	36.0
100		36.44	36.36		36.32	36.42
150		36.59	36.61		36.64	36.64
200		36.32	36.63		36.43	36.64
250		35.85	36.53		36.07	36.51
300			36.45		35.61	36.44
Avg.		36.3	36.5		36.2	36.5
400			36.21			36.27
500						35.66
600						
Avg.			36.2			36.0

Depth (m.)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	36.13	36.09	35.93	35.94	35.97	36.04	35.84	35.95
10		36.12	35.91	35.95	36.01	36.02	35.88	35.93
20		36.11	35.91	35.96		36.08	35.91	35.94
30			35.91	35.99		36.22	35.95	35.95
50			35.92	36.03		36.35	35.99	35.99
75			36.07	36.05			36.01	36.08
Avg.	36.1	36.1	35.9	36.0	36.0	36.1	35.9	36.0
100			36.37	36.13			36.11	36.18
150			36.14	36.59			36.51	36.51
200				36.66			36.60	36.65
250				36.59			36.33	36.53
300				36.36			35.81	36.40
Avg.			36.3	36.5			36.3	36.5
400				35.97			35.32	36.15
500				35.57				35.81
600				35.21				35.26
800								34.95
Avg.				35.6			35.3	35.5

Table 4.--Salinities (‰), by section, cruise 3--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	35.73	36.00	36.02	35.91	35.93
10	35.91	36.02	36.02	35.90	35.89
20		36.02	36.02	35.91	35.87
30			36.26	35.95	35.94
50				36.04	36.02
75				36.17	36.04
Avg.	35.8	36.0	36.1	36.0	35.9
100				36.32	36.17
150				36.34	36.55
200				35.80	36.60
250					36.50
300					36.39
Avg.				36.2	36.4
400					36.22
500					35.60
600					35.17
Avg.					35.7

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	35.48	35.89	35.91	35.95	35.88	35.90
10	35.75	35.86	35.90	35.95	35.87	35.90
20		35.91	36.06	36.00	35.86	35.90
30				36.03	35.91	35.91
50				36.07	35.97	35.97
75				36.06	36.08	36.15
Avg.	35.6	35.9	36.0	36.0	35.9	36.0
100				36.04	36.36	36.29
150					36.61	36.44
200					36.37	36.53
250					36.13	36.55
300					35.90	36.56
Avg.				36.0	36.3	36.5
400						36.22
500						35.95
600						35.73
Avg.						36.0

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	35.44	35.91	35.61	35.95	35.82	35.75
10	35.43	35.91	35.61	35.90	35.89	35.81
20			35.80	35.99	35.85	35.84
30			35.79	36.08	35.88	35.86
50					36.02	35.96
75					36.36	36.25
Avg.	35.4	35.9	35.7	36.0	36.0	35.9
100					36.54	36.44
150					36.56	36.49
200					36.41	36.51
250					36.21	36.50
300					35.88	36.42
Avg.					36.3	36.5
400					35.39	36.08
500						35.56
600						35.10
Avg.					35.4	35.6

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	34.87	35.68	35.86	36.04	35.95
10	35.16	35.64	35.86	36.06	35.95
20		35.77	36.10	36.06	35.93
30			36.20	36.06	35.96
50				36.05	36.02
75				35.87	36.13
Avg.	35.0	35.7	36.0	36.0	36.0
100				35.71	36.26
150				35.39	36.60
200				35.11	36.58
250				34.99	36.53
300				34.94	36.44
Avg.				35.2	36.5
400					36.14
500					35.86
600					
Avg.					36.0

Table 4.--Salinities (‰), by section, cruise 3--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	34.97	35.10	36.02	35.93	35.95
10	34.96	35.35	36.02	35.90	35.95
20		35.84	36.17	35.93	35.93
30			36.20	35.97	35.96
50			36.20	36.00	36.02
75			35.99	36.28	36.13
Avg.	35.0	35.4	36.1	36.0	36.0
100			35.75	36.56	36.26
150				36.24	36.60
200				35.94	36.58
250				35.55	36.53
300				35.21	36.44
Avg.			35.7	35.9	36.5
400					36.14
500					35.86
600					
Avg.					36.0

Cape Romain Section

Stations 46	47	48	49	50
35.05	35.73	36.04	36.06	35.99
	35.39	36.02	36.04	35.99
	35.37	36.04	36.04	35.99
		36.11	36.04	35.95
		36.17	36.10	35.94
		36.04	36.17	36.03
35.1	35.5	36.1	36.1	36.0
		35.86	36.17	36.24
		35.39	35.77	36.64
				36.59
				36.41
				36.27
		35.6	36.0	36.4
				36.01
				35.55
				35.8

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	34.74	35.33	35.55	35.43	36.04	36.01
10		35.48	35.59	35.44	36.04	36.00
20			36.15	35.91	36.11	35.97
30				36.09	36.18	35.95
50				36.28	36.19	35.97
75				36.18		36.06
Avg.	34.7	35.4	35.8	35.9	36.1	36.0
100				36.07		36.21
150						36.63
200						36.64
250						36.65
300						36.60
Avg.				36.1		36.5
400						
500						
600						
Avg.						

Cape Fear Section

Stations 58	59	60	61	62
35.62	35.61	35.94	35.68	36.02
35.61	35.61	35.95	35.69	36.03
		35.95	35.87	36.07
		36.05	36.09	36.06
		36.18	36.21	36.06
		36.18	36.20	36.11
35.6	35.6	36.0	36.0	36.1
		36.14	36.07	36.29
		35.69	35.57	36.64
			35.43	36.57
			35.29	36.25
				35.75
		35.9	35.6	36.3

Table 4.--Salinities (‰), by section, cruise 3--Continued

Onslow Bay Section

Depth (m.)	Stations 67	66	65	64	63
0	35.62	35.70	36.08	35.84	36.04
10	35.68	35.90	36.09	36.08	36.04
20		36.28	36.10	36.09	36.04
30			36.32	36.22	36.06
50				36.37	36.18
75				36.32	36.36
Avg.	35.7	36.0	36.1	36.2	36.1
100				36.25	36.53
150				36.01	36.47
200				35.70	36.11
250				35.51	35.85
300					35.65
Avg.				35.9	36.1
400					
500					
600					
Avg.					

Cape Lookout Section

Depth (m.)	Stations 69	70	71	72
0	36.06	35.71	35.95	36.07
10	36.04	35.71	35.95	36.04
20		35.84	35.95	36.06
30			36.13	36.10
50			36.33	36.19
75			36.31	36.26
Avg.	36.1	35.8	36.1	36.1
100				36.39
150				36.54
200				36.21
250				
300				
Avg.				36.4
400				
500				
600				
Avg.				

Raleigh Bay Section

Depth (m.)	Stations 76	75	74	73
0	35.75	35.88		
10	35.83	35.90		
20		36.06		
30		36.27		
50				
75				
Avg.	35.8	36.0		
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Hatteras Section

Depth (m.)	Stations 78	79	80

Table 5.--Salinities (‰), by section, cruise 4

Jupiter Section

Depth (m.)	Stations 3	2	1
0	32.65	35.89	35.93
10	34.54	35.91	35.97
20		35.89	35.93
30		35.90	35.92
50		35.97	35.91
75		36.29	36.32
Avg.	33.6	36.0	36.0
100		36.48	36.64
150		36.50	36.74
200		36.28	36.64
250		36.02	36.45
300		35.76	36.34
Avg.		36.2	36.6
400		35.27	35.93
500			
600			
Avg.		35.3	35.9

Vero Section

Depth (m.)	Stations 5	6	7
0	34.47	35.91	35.97
10	34.75	35.91	35.99
20	35.26	35.90	35.99
30	35.55	35.91	36.04
50		36.03	36.15
75		36.23	36.32
Avg.	35.0	36.0	36.1
100		36.41	36.47
150		36.73	36.71
200		36.52	36.74
250		36.35	36.58
300		36.16	36.49
Avg.		36.4	36.6
400		35.58	36.10
500			35.79
600			
Avg.		35.6	35.9

Canaveral Section

Depth (m.)	Stations 11	10	9	8
0	30.67	33.52	35.90	35.92
10		33.64	35.88	35.90
20		33.89	35.91	35.90
30		34.96	35.91	35.91
50			35.92	35.92
75			36.07	36.05
Avg.	30.7	34.0	35.9	35.9
100			36.30	36.28
150			36.64	36.65
200			36.37	36.64
250			35.69	36.50
300				36.38
Avg.			36.3	36.5
400				36.01
500				35.41
600				34.99
800				
Avg.				35.5

Ponce de Leon Section

Depth (m.)	Stations 13	14	15	16
0	31.27	34.47	35.89	36.04
10	34.21	34.46	35.88	36.04
20		34.87	35.87	36.05
30		35.08	35.87	36.04
50		35.37	35.89	36.04
75			36.05	36.05
Avg.	32.7	34.9	35.9	36.0
100			36.24	36.11
150			36.56	36.57
200			36.51	36.62
250			36.29	36.49
300			36.07	36.36
Avg.			36.3	36.4
400			35.63	36.11
500			35.28	35.81
600			35.07	35.46
800				
Avg.			35.3	35.8

Table 5.--Salinities (‰), by section, cruise 4--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	31.12	35.39	35.58	35.94	
10	34.31	35.39	35.56	35.92	
20		35.35	35.67	35.91	
30			35.77	35.91	
50				36.00	
75				36.31	
Avg.	32.7	35.4	35.6	36.0	
100				36.49	
150				36.50	
200				36.25	
250				35.98	
300				35.72	
Avg.				36.2	
400				35.33	
500					
600					
Avg.				35.3	

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0		35.41	35.94	35.80	35.89	35.97
10		35.42	35.97	35.83	35.87	35.96
20		35.39	35.94	35.82	35.89	36.00
30				35.81	35.88	36.04
50				35.84	35.93	36.16
75				35.96	36.13	36.42
Avg.		35.4	35.9	35.8	35.9	36.1
100				36.11	36.59	36.60
150				36.13	36.62	36.70
200					36.54	36.60
250					36.43	36.54
300					36.25	36.48
Avg.				36.1	36.5	36.6
400					35.81	36.40
500					35.41	36.18
600						35.72
Avg.					35.6	36.1

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	34.34	35.37	36.00	36.13	36.15	36.00
10	34.51	35.34	36.03	36.13	36.15	36.02
20			36.15	36.13	36.13	36.05
30			36.18	36.14	36.14	36.06
50					36.15	36.12
75					36.54	36.41
Avg.	34.4	35.4	36.1	36.1	36.2	36.1
100					36.92	36.68
150					36.87	36.64
200					36.73	36.61
250					36.62	36.55
300					36.44	36.50
Avg.					36.7	36.6
400					35.91	36.33
500					35.39	36.02
600						35.66
Avg.					35.7	36.0

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	36.13	36.22	36.20	36.18	36.29
10	36.10	36.18	36.18	36.20	36.28
20		36.17	36.21	36.20	36.32
30			36.18	36.19	36.33
50				36.20	36.38
75				36.33	36.50
Avg.	36.1	36.2	36.2	36.2	36.3
100				36.65	36.65
150				36.60	36.88
200				36.35	36.92
250				36.14	36.92
300				35.95	36.83
Avg.				36.3	36.8
400				35.57	
500					
600					
Avg.				35.6	

Table 5.--Salinities (‰), by section, cruise 4--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	36.06	36.18	36.17	36.26	36.29
10	36.04	36.25	36.16	36.26	36.28
20		36.24	36.17	36.27	36.32
30		36.22	36.16	36.26	36.33
50			36.16	36.26	36.38
75			36.20	36.35	36.50
Avg.	36.1	36.2	36.2	36.3	36.3
100			36.26	36.62	36.65
150				36.97	36.88
200				36.73	36.92
250				36.29	36.92
300				35.97	36.83
Avg.			36.3	36.5	36.8
400					
500					
600					
Avg.					

Cape Romain Section

Stations 46	47	48	49	50
35.80	36.32	36.18	36.13	36.35
35.82	36.30	36.14	36.11	36.28
	36.29	36.15	36.12	36.31
		36.15	36.13	36.27
		36.18	36.17	36.27
		36.33	36.40	36.59
35.8	36.3	36.2	36.2	36.3
		36.40	36.63	36.79
		36.33	36.64	36.85
			36.28	36.96
			36.07	36.75
			35.94	36.47
		36.4	36.3	36.8
				36.21
				36.05
				35.62
				36.0

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	35.79	36.03	36.14	36.09	36.13	36.22
10		36.02	36.14	36.09	36.10	36.19
20			36.15	36.09	36.11	36.22
30				36.10	36.10	36.24
50				36.12	36.09	36.33
75				36.26	36.40	36.54
Avg.	35.8	36.0	36.1	36.1	36.2	36.3
100				36.51	36.62	36.65
150				36.49	36.38	36.64
200					36.05	36.59
250					35.81	36.35
300					35.72	36.14
Avg.				36.5	36.1	36.5
400						35.74
500						35.30
600						
Avg.						35.5

Cape Fear Section

Stations 58	59	60	61	62
36.16	36.26	36.18	36.29	36.27
36.17	36.26	36.17	36.27	36.26
		36.18	36.26	36.26
		36.20	36.28	36.27
		36.26	36.36	36.29
		36.38	36.61	36.50
36.2	36.3	36.2	36.3	36.3
		36.50	36.78	36.70
		36.67	36.85	36.74
			36.47	36.76
			36.28	36.60
			36.08	36.44
		36.6	36.5	36.6
			35.63	36.13
				35.76
				35.45
			35.6	35.8

Table 5.--Salinities (‰), by section, cruise 4--Continued

Onslow Bay Section

Depth (m.)	Stations 67	66	65	64	63
0	35.59	36.18	36.11	36.25	36.21
10	35.62	36.20	36.09	36.24	36.18
20		36.18	36.09	36.26	36.18
30			36.11	36.26	36.18
50				36.26	36.18
75				36.27	36.39
Avg.	35.6	36.2	36.1	36.3	36.2
100				36.36	36.55
150				36.75	36.73
200				36.56	36.81
250				36.51	36.74
300				36.02	36.66
Avg.				36.4	36.7
400					36.47
500					36.16
600					35.71
Avg.					36.1

Cape Lookout Section

Depth (m.)	Stations 69	70	71	72
0	33.60	34.70		
10	34.61	34.74		
20		34.73		
Avg.	34.1	34.7		

Raleigh Bay Section

Depth (m.)	Stations 76	75	74	73
0	32.76	36.31		
10	32.75	36.29		
20		36.27		
30		36.24		
50				
75				
Avg.	32.8	36.3		
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Hatteras Section

Depth (m.)	Stations 78	79	80

Table 6.--Salinities (‰), by section, cruise 5

Jupiter Section

Depth (m.)	Stations 3	2	1
0	36.13	36.18	36.20
10		36.19	36.20
20		36.23	36.18
30		36.23	36.21
50		36.24	36.24
75		36.30	36.21
Avg.	36.1	36.2	36.2
100		36.40	36.18
150		36.59	36.74
200		36.25	36.70
250		36.08	36.63
300		35.84	36.55
Avg.		36.2	36.6
400		35.30	36.08
500			35.82
600			
Avg.		35.3	35.9

Vero Section

Depth (m.)	Stations 5	6	7
0	36.34	36.22	36.24
10	36.32	36.22	36.22
20	36.31	36.22	36.25
30	36.29	36.21	36.25
50		36.20	36.25
75		36.22	36.27
Avg.	36.3	36.2	36.2
100		36.29	36.34
150		36.56	36.70
200		36.47	36.75
250		36.29	36.65
300		36.07	36.53
Avg.		36.3	36.6
400		35.52	36.20
500			
600			
Avg.		35.5	36.2

Canaveral Section

Depth (m.)	Stations 11	10	9	8
0	35.01	36.26		36.22
10		36.22		36.22
20		36.22		36.20
30				36.20
50				36.21
75				36.35
Avg.	35.0	36.2		36.2
100				36.46
150				36.60
200				36.65
250				36.60
300				36.55
Avg.				36.6
400				36.32
500				35.71
600				35.24
800				
Avg.				35.8

Ponce de Leon Section

Depth (m.)	Stations 13	14	15	16
0	35.05	36.18	36.10	36.40
10	35.00	36.18	36.11	36.40
20		36.17	36.15	36.41
30		36.18	36.19	36.47
50		36.27	36.27	36.55
75			36.41	36.55
Avg.	35.0	36.2	36.2	36.5
100			36.53	36.56
150			36.70	36.66
200			36.64	36.74
250			36.53	36.66
300			36.36	36.59
Avg.			36.6	36.6
400			35.82	36.48
500			35.35	36.23
600			34.94	
800				
Avg.			35.4	36.4

Table 6.--Salinities (‰), by section, cruise 5--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	33.26	35.40	36.25	36.17	36.42
10	33.38	35.40	36.26	36.15	36.44
20		35.56	36.26	36.15	36.43
30			36.26	36.15	36.50
50				36.19	36.59
75				36.32	36.56
Avg.	33.3	35.5	36.3	36.2	36.5
100				36.47	36.53
150				36.54	36.58
200				36.28	36.74
250				35.99	36.73
300				35.63	36.68
Avg.				36.2	36.7
400				35.12	36.33
500					36.05
600					35.66
Avg.				35.1	36.0

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	32.43	35.04	36.31	36.23		36.39
10	33.03	35.17	36.31	36.24		36.38
20			36.32	36.23		36.36
30				36.18		36.37
50				36.16		36.38
75				36.29		36.39
Avg.	32.7	35.1	36.3	36.2		36.4
100				36.33		36.40
150						36.58
200						36.65
250						36.64
300						36.62
Avg.				36.3		36.6
400						36.38
500						
600						
Avg.						36.4

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	32.84	35.62				
10	32.81	35.59				
20						
30						
50						
75						
Avg.	32.8	35.6				
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
Avg.						

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	35.11	35.59	36.38	36.12	36.36
10	35.14	35.57	36.39	36.14	36.31
20		35.55	36.39	36.15	36.28
30			36.36	36.19	36.30
50				36.25	36.29
75				36.30	36.27
Avg.	35.1	35.6	36.4	36.2	36.3
100					36.33
150					36.38
200					36.44
250					36.51
300					36.37
Avg.					36.4
400					35.64
500					
600					
Avg.					35.6

Table 6.--Salinities (‰), by section, cruise 5--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	35.55	36.31	36.26		36.36
10	35.71	36.29	36.18	36.14	36.31
20		36.26	36.26	36.16	36.28
30			36.30	36.17	36.30
50			36.33	36.16	36.29
75			36.29	36.30	36.27
Avg.	35.6	36.3	36.3	36.2	36.3
100				36.33	36.33
150				36.11	36.38
200				35.78	36.44
250				35.55	36.51
300				35.40	36.37
Avg.				35.8	36.4
400				35.26	35.64
500					
600					
Avg.				35.3	35.6

Cape Romain Section

Depth (m.)	Stations 46	47	48	49	50
0	34.05	36.32	36.36	36.19	36.08
10		36.31	36.36	36.20	36.08
20		36.29	36.34	36.18	36.07
30			36.34	36.22	36.06
50			36.33	36.30	36.11
75			36.33	36.38	36.23
Avg.	34.1	36.3	36.3	36.2	36.1
100			36.33	36.43	36.28
150			36.15	36.32	36.33
200				36.11	36.30
250				35.83	36.21
300					36.06
Avg.			36.2	36.2	36.2
400					35.54
500					
600					
Avg.					35.5

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	34.75	35.48	36.36	36.38	36.36	36.30
10		35.69	36.37	36.36	36.36	36.30
20			36.16	36.36	36.34	36.31
30				36.39	36.38	36.32
50				36.44	36.43	36.36
75				36.43	36.44	36.41
Avg.	34.7	35.6	36.3	36.4	36.4	36.3
100				36.42	36.45	36.41
150				36.17	36.21	35.92
200					35.65	35.63
250					35.46	35.42
300					35.34	35.25
Avg.				36.3	35.8	35.7
400						
500						
600						
Avg.						

Cape Fear Section

Depth (m.)	Stations 58	59	60	61	62
0	36.15	36.42		36.36	36.31
10	36.13	36.43		36.35	36.37
20		36.42		36.35	36.34
30				36.36	36.35
50				36.36	36.36
75				36.36	36.38
Avg.	36.1	36.4		36.4	36.4
100				36.30	36.36
150				35.88	36.01
200				35.57	35.61
250				35.34	35.35
300				35.19	35.23
Avg.				35.7	35.7
400					35.13
500					35.08
600					
Avg.					35.1

Table 6.--Salinities (‰), by section, cruise 5--Continued

Onslow Bay Section

Depth (m.)	Stations 67	66	65	64	63
0	34.88	36.38	36.33	36.31	36.29
10	35.25	36.36	36.31	36.29	36.20
20		35.88	36.33	36.26	36.21
30			36.29	36.28	36.28
50				36.32	36.36
75				36.37	36.35
Avg.	35.1	36.2	36.3	36.3	36.3
100				36.40	36.32
150				36.34	36.00
200				35.75	35.63
250					35.43
300					35.28
Avg.				36.2	35.7
400					35.12
500					35.08
600					35.08
Avg.					35.1

Cape Lookout Section

Depth (m.)	Stations 69	70	71	72
0	35.80	36.44	36.29	
10	35.90	36.42	36.26	
20		36.41	36.27	
30			36.27	
50			36.28	
75			36.31	
Avg.	35.9	36.4	36.3	
100			36.35	
150				
200				
250				
300				
Avg.			36.3	

Raleigh Bay Section

Depth (m.)	Stations 76	75	74	73
0	35.59	36.42		
10	35.99	36.42		
20		36.34		
30		36.34		
50				
75				
Avg.	35.8	36.4		
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Hatteras Section

Depth (m.)	Stations 78	79	80

Table 7.--Salinities (‰), by section, cruise 6

Jupiter Section

Depth (m.)	Stations 3	2	1
0	35.79	36.06	36.00
10	35.77	36.06	36.00
20		36.00	36.00
30		36.00	36.00
50		36.03	36.00
75		36.15	36.02
Avg.	35.8	36.1	36.0
100		36.30	36.15
150		36.72	36.71
200		36.32	36.67
250		36.05	36.54
300		35.81	36.41
Avg.		36.2	36.5
400		35.39	36.14
500		35.14	35.82
600			35.43
Avg.		35.3	35.8

Vero Section

Stations 5	6	7
36.01	36.01	35.99
36.18	36.00	35.99
36.30	36.00	35.99
36.20	36.00	35.98
	36.09	35.97
	36.24	35.98
36.2	36.1	36.0
	36.27	36.10
	36.33	36.66
	36.32	36.69
		36.53
		36.36
	36.3	36.5
		36.00
		36.0

Canaveral Section

Depth (m.)	Stations 11	10	9	8
0	35.84	36.17	36.09	35.99
10		36.17	36.07	35.99
20		36.22	36.06	35.99
30		36.34	36.06	36.00
50			36.07	36.03
75			36.27	36.06
Avg.	35.8	36.2	36.1	36.0
100			36.46	36.13
150			36.46	36.57
200			36.39	36.73
250			35.90	36.56
300				36.27
Avg.			36.3	36.5
400				35.79
500				35.34
600				35.07
800				
Avg.				35.4

Ponce de Leon Section

Stations 13	14	15	16
35.68	36.16	36.06	36.09
35.76	36.15	36.06	36.08
	36.25	36.09	36.07
	36.33	36.09	36.07
	36.33	36.09	36.08
		36.14	36.10
35.7	36.2	36.1	36.1
		36.32	36.21
		36.55	36.66
		36.39	36.76
		36.29	36.72
		36.06	36.61
		36.3	36.6
		35.46	36.20
		35.11	35.71
			35.32
		35.3	35.7

Table 7.--Salinities (‰), by section, cruise 6--Continued

Depth (m.)	Matanzas Section					Jacksonville Section					
	Stations					Stations					
	21	20	19	18	17	23	24	25	26	27	28
0					36.11						
10					36.11						
20					36.11						
30					36.12						
50					36.16						
75					36.22						
Avg.					36.1						
100					36.38						
150					36.71						
200					36.77						
250					36.67						
300					36.52						
Avg.					36.6						
400					36.19						
500					35.94						
600					35.60						
Avg.					35.9						

Depth (m.)	Brunswick Section						Savannah Section				
	Stations						Stations				
	34	33	32	31	30	29	36	37	38	39	40
0											
10											
20											
30											
50											
75											
Avg.											
100											
150											
200											
250											
300											
Avg.											
400											
500											
600											
Avg.											

Table 8.--Salinities (‰), by section, cruise 7

Jupiter Section

Depth (m.)	Stations 3	2	1
0	33.97	35.66	36.02
10	35.29	35.89	36.08
20		36.13	36.03
30		36.22	36.02
50		36.34	36.00
75		36.36	36.32
Avg.	34.6	36.1	36.1
100		36.38	36.55
150		36.43	36.78
200		36.25	36.63
250		35.94	36.59
300		35.63	36.47
Avg.		36.1	36.6
400		35.04	36.01
500			35.68
600			
Avg.		35.0	35.8

Vero Section

Depth (m.)	Stations 5	6	7
0	35.54	35.93	35.85
10	35.98	36.08	35.82
20	36.36	36.12	35.96
30		36.17	35.96
50		36.26	36.02
75		36.37	36.37
Avg.	36.0	36.2	36.0
100		36.46	36.58
150		36.56	36.70
200		36.30	36.69
250		36.14	36.58
300		35.92	36.45
Avg.		36.3	36.6
400			36.11
500			
600			
Avg.			36.1

Canaveral Section

Depth (m.)	Stations 11	10	9	8
0	36.07	35.86	35.99	35.82
10		36.08	35.98	35.79
20		36.19	35.95	35.82
30			35.97	35.88
50			36.11	36.02
75			36.35	36.29
Avg.	36.1	36.0	36.1	35.9
100			36.45	36.50
150			36.59	36.73
200			36.55	36.71
250			36.28	36.60
300			35.80	36.51
Avg.			36.3	36.6
400				36.25
500				35.58
600				35.16
800				
Avg.				35.7

Ponce de Leon Section

Depth (m.)	Stations 13	14	15	16
0	36.06	36.11	35.70	36.27
10	36.00	36.15	35.70	36.13
20		36.12	35.71	36.09
30		36.11	35.76	36.09
50		36.11	35.95	36.09
75			36.25	36.39
Avg.	36.0	36.1	35.8	36.2
100			36.54	36.60
150			36.72	36.74
200			36.63	36.77
250			36.41	36.66
300			35.98	36.56
Avg.			36.5	36.7
400			35.32	36.36
500			34.99	35.84
600				35.44
800				
Avg.			35.2	35.9

Table 8.--Salinities (‰), by section, cruise 7--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	35.46	35.91	36.11	35.95	35.96
10	35.54	35.93	36.13	35.95	35.96
20		35.96	36.11	36.00	36.07
30			36.11	36.00	36.07
50				36.09	36.08
75				36.27	36.17
Avg.	35.5	35.9	36.1	36.0	36.1
100				36.43	36.30
150				36.44	36.67
200				36.24	36.76
250				35.93	36.68
300				35.59	36.52
Avg.				36.1	36.6
400					36.00
500					35.73
600					35.47
Avg.					35.7

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	35.11	35.52	36.02	35.99	35.89	36.01
10	35.21	35.55	36.05	35.92	35.91	36.09
20			36.06	36.03	36.01	36.07
30				36.14	36.05	36.06
50				36.32	36.15	36.11
75				36.47	36.31	36.27
Avg.	35.2	35.5	36.0	36.1	36.1	36.1
100				36.06	36.43	36.46
150					36.58	36.57
200					36.52	36.49
250					36.29	36.40
300					35.92	36.31
Avg.				36.1	36.3	36.4
400						36.08
500						35.82
600						
Avg.						35.9

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	34.78	35.02	35.79	36.04	36.10	35.78
10	34.78	35.10	35.68	35.97	36.07	35.77
20			35.93	36.02	36.03	35.77
30			36.04	36.07	36.04	35.77
50				36.18	36.25	35.93
75					36.44	36.23
Avg.	34.8	35.1	35.9	36.1	36.2	35.9
100					36.44	36.57
150					36.35	36.69
200					36.35	36.64
250					36.32	36.61
300						36.29
Avg.					36.4	36.6
400						
500						
600						
Avg.						

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	34.20	35.40	36.17	35.78	35.93
10	34.42	35.57	36.08	35.79	35.88
20		35.73	36.08	35.94	35.92
30			36.18	36.23	35.98
50				36.48	36.02
75				36.46	36.09
Avg.	34.3	35.6	36.1	36.1	36.0
100				36.17	36.36
150				35.96	36.64
200				35.81	36.58
250				35.54	36.44
300				35.30	36.27
Avg.				35.8	36.5
400					35.87
500					
600					
Avg.					35.9

Table 8.--Salinities (‰), by section, cruise 7--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	35.64	36.10	36.02	35.96	35.93
10	35.39	36.11	36.04	35.87	35.88
20		36.13	36.04	35.96	35.92
30			36.25	36.11	35.98
50			36.47	36.20	36.02
75			36.40	36.20	36.09
Avg.	35.5	36.1	36.2	36.1	36.0
100			35.94	36.23	36.36
150				35.94	36.64
200				35.62	36.58
250				35.42	36.44
300				35.24	36.27
Avg.			35.9	35.7	36.5
400					35.87
500					
600					
Avg.					35.9

Cape Romain Section

Depth (m.)	Stations 46	47	48	49	50
0			36.58	36.14	36.10
10		36.03	36.08	36.22	36.06
20		35.90	36.16	36.44	35.95
30			36.31	36.30	35.93
50			36.44	36.08	35.97
75			36.10	36.08	36.29
Avg.		36.0	36.3	36.2	36.1
100			35.86	36.08	36.27
150			35.71	36.08	36.05
200			35.62	35.75	35.83
250				35.50	35.64
300				35.32	35.43
Avg.			35.7	35.7	35.8

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0		35.52	35.67	36.44	36.19	36.06
10		35.57	35.68	36.02	36.03	36.04
20			36.00	36.14	36.05	36.10
30				36.24	36.10	36.18
50				36.38	36.16	36.21
75				36.28	36.13	36.13
Avg.		35.5	35.8	36.3	36.1	36.1
100				36.17	36.06	35.95
150				35.95	35.80	35.65
200					35.59	35.40
250					35.38	35.23
300					35.16	35.15
Avg.				36.1	35.6	35.5
400						35.02
500						
600						
Avg.						35.0

Cape Fear Section

Depth (m.)	Stations 58	59	60	61	62
0	35.17	35.93	36.07	36.06	36.04
10	35.12	35.89	36.08	35.97	35.97
20		36.09	36.00	35.88	35.98
30			36.13	36.06	36.05
50			36.33	36.33	36.18
75			36.47	36.39	36.26
Avg.	35.1	36.0	36.2	36.1	36.1
100			36.51	36.44	36.23
150			36.33	35.97	36.20
200			35.96	35.73	36.32
250				35.53	35.88
300				35.37	35.59
Avg.			36.3	35.8	36.0
400				35.14	35.33
500					
600					
Avg.				35.1	35.3

Table 8.--Salinities (‰), by section, cruise 7--Continued

Onslow Bay Section

Depth (m.)	Stations 67	66	65	64	63
0	35.57	36.02	36.14	36.18	35.97
10	35.41	35.94	36.15	36.12	35.88
20		36.20	36.09	36.11	35.97
30			36.28	36.19	35.97
50				36.39	36.19
75				36.54	36.52
Avg.	35.5	36.1	36.2	36.3	36.1
100				36.47	36.73
150				36.31	36.48
200				36.15	36.66
250					36.63
300					36.62
Avg.				36.3	36.6
400					36.33
500					
600					
Avg.					36.3

Cape Lookout Section

Depth (m.)	Stations 69	70	71	72
0	35.77	36.65	36.53	36.26
10	35.71	36.58	36.42	36.11
20		36.61	36.42	36.17
30			36.44	36.19
50			36.48	36.29
75			36.51	36.58
Avg.	35.7	36.6	36.5	36.3
100			36.53	36.68
150				36.45
200				36.28
250				36.23
300				36.05
Avg.			36.5	36.3
400				35.49
500				35.17
600				
Avg.				35.3

Raleigh Bay Section

Depth (m.)	Stations 76	75	74	73
0	35.37		36.09	35.88
10	35.70		36.20	35.85
20			36.32	35.93
30			36.38	35.98
50			36.46	36.25
75			36.44	36.48
Avg.	35.5		36.3	36.1
100			36.45	36.55
150			36.62	36.58
200			36.56	36.58
250			36.39	36.55
300			36.15	36.49
Avg.			36.4	36.5
400			35.77	36.41
500			35.36	36.05
600			35.11	35.76
800				35.42
1000				
Avg.			35.4	35.9

Hatteras Section

Depth (m.)	Stations 78	79	80
0	35.73	35.86	35.89
10	35.94	35.92	36.02
20	36.10	35.86	35.98
30		35.88	36.12
50		36.03	36.35
75		36.43	36.54
Avg.	35.9	36.0	36.1
100		36.62	36.65
150		36.67	36.68
200		36.62	36.58
250		36.57	36.54
300		36.53	36.51
Avg.		36.6	36.6
400		35.98	36.47
500		35.37	36.14
600		35.08	35.74
800			35.17
1000			35.10
Avg.		35.5	35.7

Table 9 -- Salinities (‰), by section, cruise 8

Jupiter Section

Depth (m.)	Stations 3	2	1
0	34.98	36.09	36.30
10	35.40	36.09	36.27
20		36.06	36.27
30		36.09	36.27
50		36.15	36.30
75		36.22	36.44
Avg.	35.2	36.1	36.3
100		36.35	36.54
150		36.76	36.66
200		36.66	36.69
250		36.37	36.63
300		36.10	36.54
Avg.		36.4	36.6
400		35.64	36.25
500		35.08	
600			
Avg.		35.4	36.3

Vero Section

Stations 5	6	7
35.98	36.13	36.16
36.04	36.13	36.19
35.97	36.13	36.14
	36.14	36.18
	36.22	36.26
	36.35	36.38
36.0	36.2	36.2
	36.48	36.50
	36.76	36.73
	36.31	36.69
	35.91	36.59
	35.57	36.45
	36.2	36.6
		36.07
		35.77
		35.9

Canaveral Section

Depth (m.)	Stations 11	10	9	8
0	36.15	35.93	36.02	36.18
10	36.17	35.97	36.01	36.22
20		35.99	36.07	36.20
30			36.11	36.18
50			36.18	36.19
75			36.26	36.27
Avg.	36.2	36.0	36.1	36.2
100			36.38	36.39
150			36.55	36.64
200			36.26	36.64
250			35.82	36.63
300			35.52	36.54
Avg.			36.1	36.6
400				36.18
500				35.73
600				
800				
Avg.				36.0

Ponce de Leon Section

Stations 13	14	15	16
36.26	36.02	35.98	36.13
36.21	35.99	35.99	36.15
	35.95	36.02	36.18
	35.98	36.06	36.20
	36.09	36.14	36.22
		36.24	36.36
36.2	36.0	36.1	36.2
		36.36	36.47
		36.58	36.63
		36.21	36.60
		36.06	36.60
		35.76	36.58
		36.2	36.6
		35.32	36.44
			36.08
			35.63
		35.3	36.1

Table 9.--Salinities (‰), by section, cruise 8--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	36.27	36.31	35.86	36.07	36.21
10	36.27	36.29	35.95	36.06	36.14
20		36.29	36.03	36.05	36.18
30			36.03	36.07	36.18
50				36.11	36.22
75				36.19	36.41
Avg.	36.3	36.3	36.0	36.1	36.2
100				36.33	36.56
150				36.45	36.64
200				36.06	36.67
250				35.49	36.66
300				35.28	36.57
Avg.				35.9	36.6
400				35.13	36.17
500					35.61
600					35.22
Avg.				35.1	35.7

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	35.86	36.47	36.47	35.61	36.06	36.15
10	35.85	36.48	36.47	35.93	36.02	36.13
20			36.44	35.95	36.02	36.22
30				36.06	36.04	36.24
50				36.22	36.09	36.29
75				36.24	36.20	36.38
Avg.	35.9	36.5	36.5	36.0	36.1	36.2
100				36.26	36.38	36.48
150					36.60	36.71
200					36.31	36.74
250					35.93	36.69
300					35.64	36.60
Avg.				36.3	36.2	36.6
400					35.26	36.27
500					35.08	35.78
600						35.39
Avg.					35.2	35.8

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	35.71	36.25	36.13	35.68	36.04	36.11
10	35.75	36.24	36.11	35.90	36.05	36.14
20			36.14	36.18	36.06	36.12
30			36.14	36.20	36.06	36.13
50					36.11	36.16
75					36.23	36.46
Avg.	35.7	36.2	36.1	36.0	36.1	36.2
100					36.35	36.65
150					36.29	36.70
200					36.24	36.67
250					35.99	36.63
300					35.68	36.58
Avg.					36.1	36.6
400						36.45
500						36.17
600						35.77
Avg.						36.1

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	36.06	36.20	36.13	36.09	
10	35.92	36.20	36.10	36.06	
20		36.19	36.08	36.08	
30			36.09	36.14	
50				36.25	
75				36.34	
Avg.	36.0	36.2	36.1	36.2	
100				36.34	
150				36.19	
200				35.99	
250				35.47	
300					
Avg.				36.0	

Table 9.--Salinities (‰), by section, cruise 8--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	36.08	36.02			
10	36.07	36.01			
20		36.03			
30					
50					
75					
Avg.	36.1	36.0			
100					
150					
200					
250					
300					
Avg.					
400					
500					
600					
Avg.					

Cape Romain Section

Depth (m.)	Stations 46	47	48	49	50
0	35.89	36.15	36.05		36.09
10		36.16	36.04	36.00	36.09
20		36.13	36.06	36.26	36.05
30			36.15	36.36	36.02
50			36.18	36.43	36.04
75			35.78	36.14	36.17
Avg.	35.9	36.1	36.0	36.2	36.1
100			35.45	35.99	36.41
150			34.97	35.99	36.68
200			34.95		36.64
250					36.60
300					36.44
Avg.			35.1	36.0	36.6
400					36.02
500					35.68
600					
Avg.					35.9

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	35.51	36.03	36.23	36.18	36.11	35.98
10		36.05	36.17	36.15	36.12	35.99
20			36.18	36.13	36.13	36.01
30				36.22	36.22	36.00
50				36.31	36.29	35.99
75				36.17	36.09	35.99
Avg.	35.5	36.0	36.2	36.2	36.2	36.0
100				36.00	35.91	36.03
150				35.55	35.62	36.25
200					35.54	36.14
250					35.39	35.84
300					35.17	35.52
Avg.				35.8	35.5	36.0
400						35.15
500						
600						
Avg.						35.1

Cape Fear Section

Depth (m.)	Stations 58	59	60	61	62
0	35.88	35.91	36.08	36.16	36.13
10	35.85	36.11	36.11	36.15	36.13
20			36.13	36.16	36.14
30			36.24	36.17	36.17
50			36.35	36.25	36.20
75			36.17	36.31	36.25
Avg.	35.9	36.0	36.2	36.2	36.2
100			35.99	36.31	36.40
150			35.64	35.90	36.78
200			35.27	35.55	36.79
250				35.35	36.60
300					36.46
Avg.			35.6	35.8	36.6
400					36.02
500					35.46
600					35.26
Avg.					35.6

Table 9.--Salinities (‰), by section, cruise 8--Continued

Onslow Bay Section

Depth (m.)	Stations 67	66	65	64	63
0	36.21	36.48	36.31	36.20	36.08
10	36.24	36.45	36.32	36.22	36.21
20			36.40	36.22	36.26
30			36.47	36.22	36.27
50				36.26	36.31
75				36.37	36.41
Avg.	36.2	36.5	36.4	36.2	36.3
100				36.50	36.70
150				36.32	36.93
200				35.94	36.85
250					36.72
300					36.54
Avg.				36.3	36.7
400					35.87
500					
600					
Avg.					35.9

Cape Lookout Section

Depth (m.)	Stations 69	70	71	72
0	36.35	36.21	36.18	36.22
10	36.31	36.23	36.24	36.21
20		36.21	36.28	36.24
30			36.30	36.25
50			36.30	36.31
75			36.23	36.43
Avg.	36.3	36.2	36.3	36.3
100			36.08	36.58
150				36.82
200				36.46
250				35.91
300				
Avg.			36.1	36.4

Raleigh Bay Section

Depth (m.)	Stations 76	75	74	73
0		36.12	36.31	36.17
10		36.09	36.35	36.30
20		36.18	36.34	36.30
30		36.18	36.32	36.29
50			36.37	36.29
75			36.49	36.33
Avg.		36.1	36.4	36.3
100			36.36	36.42
150			36.08	36.59
200			35.80	36.58
250			35.64	36.26
300			35.50	35.87
Avg.			35.9	36.3
400			35.22	35.45
500			35.06	35.37
600				
800				
1000				
Avg.			35.1	35.4

Hatteras Section

Depth (m.)	Stations 78	79	80
0	35.68	36.02	36.12
10	36.02	36.05	36.13
20	36.02	36.07	36.09
30		36.09	36.12
50		36.09	36.19
75		36.14	36.34
Avg.	35.9	36.1	36.2
100		36.28	36.51
150		36.06	36.80
200		35.78	36.80
250		35.64	36.74
300		35.33	36.42
Avg.		35.8	36.7
400			35.90
500			
600			
800			
1000			
Avg.			35.9

Table 10.--Salinities (‰), by section, cruise 9

Jupiter Section

Depth (m.)	Stations 3	2	1
0	35.89	36.15	36.09
10	35.81	36.14	36.13
20		36.13	36.16
30		36.15	36.17
50		36.20	36.18
75		36.29	36.35
Avg.	35.9	36.2	36.2
100		36.50	36.50
150		36.85	36.76
200		36.55	36.77
250		36.24	36.58
300		35.94	36.56
Avg.		36.4	36.6
400		35.43	36.21
500			35.83
600			
Avg.		35.4	36.0

Vero Section

Stations 5	6	7
36.16	36.08	36.17
36.11	36.17	36.19
36.26	36.23	36.21
36.30	36.23	36.21
	36.22	36.21
	36.26	36.32
36.2	36.2	36.2
	36.38	36.45
	36.89	36.78
	36.59	36.80
	36.42	36.60
	36.15	36.40
	36.5	36.6
	35.69	36.15

Canaveral Section

Depth (m.)	Stations 11	10	9	8
0	36.15	36.24	36.08	36.09
10	36.22	36.19	36.05	36.09
20		36.24	36.05	36.09
30			36.10	36.10
50			36.18	36.12
75			36.19	36.31
Avg.	36.2	36.2	36.1	36.1
100			36.34	36.50
150			36.79	36.79
200			36.60	36.73
250			36.32	36.66
300			35.93	36.54
Avg.			36.4	36.6
400				36.25
500				36.02
600				35.61
800				
Avg.				36.0

Ponce de Leon Section

Stations 13	14	15	16
36.00	36.27	36.23	36.17
36.01	36.24	36.20	36.12
	36.28	36.17	36.11
	36.27	36.16	36.20
	36.26	36.16	36.35
		36.27	36.40
36.0	36.3	36.2	36.2
		36.46	36.49
		36.87	36.79
		36.60	36.72
		36.42	36.66
		36.17	36.60
		36.5	36.7
		35.56	36.47
		35.09	35.91
			35.86
		35.3	36.1

Table 10.--Salinities (‰), by section, cruise 9--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	35.04	36.43	36.18	35.92	36.16
10	35.12	36.38	36.22	36.00	36.16
20		36.30	36.22	36.05	36.15
30			36.27	36.08	36.15
50				36.20	36.15
75				36.30	36.29
Avg.	35.1	36.4	36.2	36.1	36.2
100				36.32	36.45
150				36.54	36.77
200				36.07	36.71
250				35.48	36.64
300				35.18	36.53
Avg.				35.9	36.6
400					36.01
500					35.67
600					35.11
Avg.					35.6

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	35.91	36.48	36.32	36.10	35.96	36.00
10	35.41	36.55	36.29	36.10	35.95	36.09
20			36.31	36.08	35.95	36.15
30				36.09	35.95	36.17
50				36.12	35.95	36.22
75				36.22	36.05	36.26
Avg.	35.7	36.5	36.3	36.1	36.0	36.1
100				36.38	36.19	36.38
150					36.50	36.67
200					36.69	36.66
250					36.48	36.61
300					36.18	36.53
Avg.				36.4	36.4	36.6
400					35.24	36.23
500					34.91	35.75
600						35.37
Avg.					35.1	35.8

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0					36.01	35.96
10					36.00	35.96
20					36.00	35.97
30					36.00	35.91
50					36.00	35.89
75					35.99	36.15
Avg.					36.0	36.0
100					36.19	36.41
150					36.70	36.62
200					36.62	36.62
250					36.41	36.57
300					36.19	36.45
Avg.					36.4	36.5
400					35.35	36.02
500						35.59
600						35.21
Avg.					35.3	35.6

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	36.16	36.51	36.27	36.18	36.08
10	36.09	36.48	36.27	36.17	36.08
20		36.46	36.24	36.16	36.08
30			36.20	36.15	36.08
50				36.15	36.09
75				36.16	36.16
Avg.	36.1	36.5	36.2	36.2	36.1
100				36.36	36.36
150				36.38	36.69
200				35.78	36.48
250				35.35	36.23
300				35.14	36.02
Avg.				35.8	36.4

Table 10.--Salinities (‰), by section, cruise 9--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	36.36	36.40	36.26	36.09	36.08
10	36.35	36.32	36.18	36.10	36.08
20		36.34	36.27	36.10	36.08
30			36.25	36.09	36.08
50			36.22	36.23	36.09
75			36.22	36.38	36.16
Avg.	36.4	36.4	36.2	36.2	36.1
100			36.22	36.47	36.36
150				36.47	36.69
200				36.17	36.48
250				35.53	36.23
300				35.28	36.02
Avg.			36.2	36.0	36.4
400					
500					
600					
Avg.					

Cape Romain Section

Depth (m.)	Stations 46	47	48	49	50
0	35.87	36.35	36.36	36.20	36.09
10	35.91	36.37	36.31	36.24	36.10
20		36.39	36.29	36.27	36.10
30			36.29	36.29	36.10
50			36.30	36.30	36.09
75			36.31	36.28	36.08
Avg.	35.9	36.4	36.3	36.3	36.1
100			36.31	36.26	36.14
150			36.20	36.04	36.51
200				35.70	36.54
250				35.46	35.97
300					35.52
Avg.			36.3	35.9	36.1
400					35.06
500					
600					
Avg.					35.1

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	35.94	36.46	36.36	36.21	36.29	36.23
10		36.45	36.33	36.29	36.29	36.21
20			36.31	36.22	36.28	36.19
30				36.24	36.27	36.18
50				36.26	36.26	36.24
75				36.18	36.23	36.26
Avg.	35.9	36.5	36.3	36.2	36.3	36.2
100				36.12	36.20	36.33
150				36.04	35.68	36.16
200					35.19	35.65
250					35.15	35.36
300					35.16	35.24
Avg.				36.1	35.5	35.7
400						
500						
600						
Avg.						

Cape Fear Section

Depth (m.)	Stations 58	59	60	61	62
0	36.35	36.30	36.26	36.09	36.13
10	36.34	36.27	36.29	36.06	36.17
20		36.33	36.26	36.05	36.15
30			36.26	36.07	36.12
50			36.27	36.14	36.11
75			36.32	36.41	36.18
Avg.	36.3	36.3	36.3	36.1	36.1
100			36.33	36.44	36.34
150			36.27	36.38	36.55
200			36.00	35.89	36.46
250				35.69	36.34
300				35.42	36.19
Avg.			36.2	36.0	36.4
400					35.84
500					35.45
600					
Avg.					35.6

Table 10.--Salinities (‰), by section, cruise 9--Continued

Depth (m.)	Onslow Bay Section Stations 67	66	65	64	63	Cape Lookout Section Stations 69	70	71	72
0	36.43	36.43	36.33		36.09	36.35	36.31	36.22	36.24
10	36.38	36.35	36.32		36.08	36.35	36.30	36.23	36.21
20		36.38	36.33		36.09		36.31	36.26	36.22
30			36.26		36.12			36.25	36.23
50					36.14			36.24	36.26
75					36.15			36.23	36.31
Avg.	36.4	36.4	36.3		36.1	36.3	36.3	36.2	36.2
100					36.30			36.22	36.33
150					36.46				36.26
200					36.46				36.27
250					36.34				36.16
300					35.90				35.84
Avg.					36.3			36.2	36.2
400					35.27				
500									
600									
Avg.					35.3				

Depth (m.)	Raleigh Bay Section Stations 76	75	74	73	Hatteras Section Stations 78	79	80
0							
10							
20							
30							
50							
75							
Avg.							
100							
150							
200							
250							
300							
Avg.							
400							
500							
600							
800							
1000							
Avg.							

Table 11.--Salinities (‰), by section, winter season

Jupiter Section

Depth (m.)	Stations 3	2	1
0	36.2	36.2	36.3
10	36.1	36.2	36.3
20		36.2	36.3
30		36.2	36.3
50		36.3	36.3
75		36.5	36.3
Avg.	36.2	36.3	36.3
100		36.6	36.3
150		36.5	36.7
200		36.3	36.7
250		36.1	36.6
300		35.8	36.5
Avg.		36.3	36.6
400		35.3	36.2
500			35.8
600			
Avg.		35.3	36.0

Vero Section

Depth (m.)	Stations 5	6	7
0	36.3	36.2	36.2
10	36.3	36.2	36.2
20	36.2	36.2	36.2
30	36.1	36.2	36.3
50		36.2	36.2
75		36.4	36.3
Avg.	36.2	36.2	36.2
100		36.4	36.4
150		36.5	36.6
200		36.3	36.7
250		36.0	36.5
300		35.8	36.4
Avg.		36.2	36.5
400		35.5	36.2
500			
600			
Avg.		35.5	36.2

Canaveral Section

Depth (m.)	Stations 11	10	9	8
0	35.5	36.3		36.2
10	36.2	36.2		36.2
20		36.2		36.2
30				36.2
50				36.2
75				36.3
Avg.	35.8	36.2		36.2
100				36.4
150				36.6
200				36.6
250				36.5
300				36.4
Avg.				36.5
400				36.1
500				35.6
600				35.2
800				
Avg.				35.6

Ponce de Leon Section

Depth (m.)	Stations 13	14	15	16
0	35.1	36.2	36.1	36.4
10	35.0	36.2	36.1	36.4
20		36.2	36.1	36.4
30		36.2	36.2	36.5
50		36.3	36.3	36.5
75			36.4	36.5
Avg.	35.0	36.2	36.2	36.5
100			36.5	36.6
150			36.7	36.7
200			36.6	36.7
250			36.5	36.7
300			36.4	36.6
Avg.			36.6	36.6
400			35.8	36.5
500			35.3	36.2
600			34.9	
800				
Avg.			35.4	36.4

Table 11.--Salinities (‰), by section, winter season--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	33.3	35.4	36.3	36.2	36.4
10	33.4	35.4	36.3	36.1	36.4
20		35.6	36.3	36.1	36.4
30			36.3	36.1	36.5
50				36.2	36.6
75				36.3	36.6
Avg.	33.3	35.5	36.3	36.2	36.5
100				36.5	36.5
150				36.5	36.6
200				36.3	36.7
250				36.0	36.7
300				35.6	36.7
Avg.				36.2	36.7
400				35.1	36.3
500					36.1
600					35.7
Avg.				35.1	36.0

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	33.7	35.6	36.2	36.2		36.4
10	34.1	35.7	36.2	36.2		36.4
20		36.3	36.2	36.2		36.4
30			36.1	36.2		36.4
50				36.1		36.4
75				35.9		36.4
Avg.	33.9	35.8	36.2	36.1		36.4
100				35.8		36.4
150				35.0		36.6
200						36.7
250						36.6
300						36.6
Avg.				35.5		36.6
400						36.4
500						
600						
Avg.						36.4

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	33.7	35.8	36.2			
10	33.7	35.8	36.2			
20		36.0	36.2			
30			36.2			
50						
75						
Avg.	33.7	35.8	36.2			
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
Avg.						

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	35.2	35.9	36.4	36.2	36.3
10	35.2	35.9	36.3	36.2	36.2
20		35.9	36.4	36.2	36.2
30		36.2	36.2	36.2	36.2
50				36.3	36.2
75				36.3	36.4
Avg.	35.2	35.9	36.3	36.2	36.3
100				36.3	36.5
150				36.2	36.5
200				35.9	36.4
250				35.6	36.5
300				35.3	36.4
Avg.				35.9	36.5
400					35.6
500					
600					
Avg.					35.6

Table 11.--Salinities (‰), by section, winter season--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	35.2	36.3	36.2	35.9	36.3
10	35.3	36.3	36.2	36.0	36.2
20		36.2	36.1	36.2	36.2
30			36.3	36.2	36.2
50			36.3	36.3	36.2
75			36.2	36.3	36.4
Avg.	35.3	36.3	36.2	36.2	36.3
100				36.3	36.5
150				36.4	36.5
200				36.2	36.4
250				36.0	36.5
300				35.9	36.4
Avg.				36.2	36.5
400				35.3	35.6
500					
600					
Avg.				35.3	35.6

Cape Romain Section

Depth (m.)	Stations 46	47	48	49	50
0	33.9	36.3	36.3	36.2	36.1
10	34.2	36.3	36.3	36.2	36.1
20		36.3	36.3	36.2	36.1
30			36.3	36.1	36.1
50			36.2	36.1	36.2
75			36.1	36.2	36.3
Avg.	34.0	36.3	36.2	36.2	36.2
100			36.0	36.2	36.4
150			35.8	36.1	36.5
200			35.3	35.8	36.5
250				35.6	36.3
300					36.1
Avg.			35.7	35.9	36.3
400					35.6
500					35.4
600					
Avg.					35.6

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	34.4	35.5	36.4	36.3	36.2	36.3
10		35.7	36.3	36.3	36.2	36.3
20			36.1	36.3	36.2	36.3
30				36.3	36.2	36.3
50				36.3	36.1	36.3
75				36.1	36.0	36.4
Avg.	34.4	35.6	36.2	36.2	36.2	36.3
100				36.1	36.0	36.5
150				35.8	35.8	36.1
200					35.5	35.8
250					35.3	35.6
300					35.3	35.3
Avg.				36.0	35.6	35.9
400						
500						
600						
Avg.						

Cape Fear Section

Depth (m.)	Stations 58	59	60	61	62
0	35.2	36.3	36.0	36.2	36.2
10	35.4	36.3	36.0	36.2	36.3
20		36.3	36.0	36.2	36.3
30			36.0	36.2	36.3
50			36.1	36.2	36.3
75			36.2	36.2	36.4
Avg.	35.3	36.3	36.0	36.2	36.3
100			36.0	36.1	36.5
150				35.7	36.3
200				35.5	36.1
250				35.3	35.9
300				35.2	35.8
Avg.			36.0	35.6	36.1
400					35.6
500					35.4
600					35.3
Avg.					35.5

Table 11.--Salinities (‰), by section, winter season--Continued

Onslow Bay Section

Depth (m.)	Stations 67	66	65	64	63
0	34.9	36.4	36.3	36.3	36.3
10	35.3	36.4	36.3	36.3	36.2
20		35.9	36.3	36.3	36.2
30			36.3	36.3	36.3
50				36.3	36.4
75				36.4	36.3
Avg.	35.1	36.2	36.3	36.3	36.3
100				36.4	36.3
150				36.3	36.0
200				35.7	35.6
250					35.4
300					35.3
Avg.				36.2	35.7
400					35.1
500					35.1
600					35.1
Avg.					35.1

Cape Lookout Section

Depth (m.)	Stations 69	70	71	72
0	35.4	36.1	36.2	36.4
10	35.5	36.2	36.2	36.3
20		36.1	36.2	36.3
30			36.1	36.3
50			36.3	36.4
75			36.3	36.7
Avg.	35.5	36.1	36.2	36.4
100			36.3	36.8
150				36.5
200				36.1
250				35.9
300				35.8
Avg.			36.3	36.2
400				35.6
500				35.5
600				
Avg.				35.6

Raleigh Bay Section

Depth (m.)	Stations 76	75	74	73
0	35.6	35.9	36.4	
10	36.0	35.9	36.3	
20		35.8	36.3	
30		36.3	36.3	
50			36.3	
75			36.3	
Avg.	35.8	35.9	36.3	
100			36.3	
150			36.2	
200				
250				
300				
Avg.			36.3	
400				
500				
600				
800				
1000				
Avg.				

Hatteras Section

Depth (m.)	Stations 78	79	80

Table 12.--Salinities (‰), by section, spring season

Depth (m.)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	36.0	36.2	36.1	36.2	36.1	36.1
10	36.0	36.1	36.0	36.2	36.1	36.1
20		36.1	36.0	36.2	36.0	36.0
30		36.2	36.0	36.1	36.0	36.0
50		36.2	36.0		36.1	36.0
75		36.2	36.1		36.3	36.1
Avg.	36.0	36.2	36.0	36.2	36.1	36.1
100		36.2	36.3		36.3	36.3
150		36.1	36.7		36.4	36.7
200		36.3	36.7		36.3	36.7
250		36.1	36.4		36.0	36.5
300		35.8	36.2			36.3
Avg.		36.1	36.5		36.3	36.5
400		35.4	35.8			35.9
500		35.1	35.8			
600			35.4			
Avg.		35.3	35.7			35.9

Depth (m.)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	36.1	36.2	36.1	36.0	35.9	36.3	36.1	36.1
10		36.2	36.1	36.0	36.0	36.2	36.1	36.1
20		36.2	36.1	36.0		36.3	36.1	36.1
30		36.3	36.1	36.1		36.3	36.1	36.2
50			36.1	36.1		36.3	36.1	36.3
75			36.3	36.2			36.2	36.4
Avg.	36.1	36.2	36.1	36.1	36.0	36.3	36.1	36.2
100			36.4	36.3			36.4	36.4
150			36.5	36.6			36.6	36.7
200			36.3	36.7			36.5	36.7
250			35.9	36.5			36.4	36.6
300				36.3			36.3	36.5
Avg.			36.3	36.5			36.4	36.6
400				35.8			35.8	36.2
500				35.4			35.4	35.8
600				35.1			35.3	35.4
800								
Avg.				35.5			35.6	35.8

Table 12.--Salinities (‰), by section, spring season--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	36.0	36.4	36.3	36.1	36.1
10	35.9	36.4	36.3	36.1	36.1
20		36.3	36.3	36.1	36.1
30			36.2	36.2	36.2
50				36.3	36.3
75				36.4	36.4
Avg.	36.0	36.3	36.3	36.2	36.2
100				36.4	36.5
150				36.4	36.7
200					36.7
250					36.6
300					36.5
Avg.				36.4	36.6
400					36.1
500					35.8
600					35.4
Avg.					35.8

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	35.6	36.1	36.4	36.3	36.1	36.2
10	35.6	36.1	36.3	36.3	36.1	36.2
20		36.2	36.2	36.3	36.1	36.2
30				36.4	36.1	36.2
50				36.3	36.4	36.4
75				36.2	36.6	36.6
Avg.	35.6	36.2	36.3	36.3	36.3	36.3
100				35.8	36.7	36.6
150					36.6	36.7
200					36.3	36.7
250					36.0	36.6
300						36.5
Avg.				35.8	36.4	36.6
400						36.3
500						35.9
600						
Avg.						36.1

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	34.7	35.2	36.1	36.4	36.3	36.2
10	34.7	35.4	36.1	36.4	36.3	36.2
20			36.2	36.4	36.3	36.2
30			36.2	36.4	36.4	36.2
50					36.6	36.4
75					36.7	36.6
Avg.	34.7	35.3	36.2	36.4	36.4	36.3
100					36.6	36.6
150					36.4	36.7
200					36.2	36.7
250					35.9	36.6
300					35.6	36.5
Avg.					36.1	36.6
400						36.0
500						35.3
600						
Avg.						35.7

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	34.6	34.6	35.7	36.4	36.1
10	34.7	34.7	35.7	36.4	36.1
20			35.9	36.4	36.1
30			36.1	36.3	36.1
50				36.3	36.2
75				36.0	36.3
Avg.	34.7	34.7	35.9	36.3	36.2
100				35.8	36.5
150				35.7	36.6
200				35.4	36.6
250					36.5
300					36.5
Avg.				35.6	36.5
400					36.1
500					
600					
Avg.					36.1

Table 12.--Salinities (‰), by section, spring season--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	33.6		34.9	36.2	36.1
10	34.4		34.8	36.2	36.1
20		36.1	35.0	36.1	36.1
30			35.6	36.1	36.1
50			36.1	36.2	36.2
75			36.0	36.5	36.3
Avg.	34.0	36.1	35.4	36.2	36.2
100			35.7	36.7	36.5
150				36.6	36.6
200				36.1	36.6
250					36.5
300					36.5
Avg.			35.7	36.5	36.5
400					36.1
500					
600					
Avg.					36.1

Cape Romain Section

Depth (m.)	Stations 46	47	48	49	50
0	33.9	34.6	36.3	36.1	
10		34.8	36.3	36.1	
20		36.0	36.3	36.2	
30			36.3	36.2	
50			36.3	36.2	
75			36.3	36.1	
Avg.	33.9	35.1	36.3	36.2	
100			36.2	35.9	
150			35.8	35.6	
200			35.3	35.2	
250			35.1	35.0	
300			35.0		
Avg.			35.5	35.4	

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	33.5	33.8	34.3	36.3		
10		35.7	35.9	36.3		
20			36.1	36.3		
30				36.4		
50				36.4		
75				36.4		
Avg.	33.5	34.7	35.4	36.4		
100				36.4		
150				35.9		
200						
250						
300						
Avg.				36.2		
400						
500						
600						
Avg.						

Cape Fear Section

Depth (m.)	Stations 58	59	60	61	62
0	33.8	35.1	35.7	36.2	36.2
10	35.3	35.3	35.8	36.2	36.3
20			36.1	36.2	36.3
30			36.2	36.1	36.3
50			36.3	36.0	36.4
75			36.3	35.7	36.4
Avg.	34.5	35.2	36.1	36.1	36.3
100			36.1	35.4	36.4
150			35.8	35.2	36.6
200			35.6	35.1	36.4
250				35.1	36.3
300				35.0	36.2
Avg.			35.9	35.2	36.4
400				35.0	36.1
500					
600					
Avg.				35.0	36.1

Table 12.--Salinities (‰), by section, spring season--Continued

Onslow Bay Section

Depth (m.)	Stations 67	66	65	64	63
0	34.2	34.4	35.6	36.2	36.4
10	35.7	34.9	35.6	36.2	36.4
20		36.2	36.1	36.4	36.4
30			36.4	36.4	36.3
50				36.4	36.4
75					36.4
Avg.	35.0	35.1	35.9	36.3	36.4
100					36.0
150					35.8
200					
250					
300					
Avg.					35.9
400					
500					
600					
Avg.					

Cape Lookout Section

Depth (m.)	Stations 69	70	71	72
0	34.6	34.6	36.4	36.3
10	34.6	34.6	36.3	36.3
20		35.7	36.4	36.3
30			36.4	36.4
50			36.4	36.5
75			36.4	36.5
Avg.	34.6	35.0	36.4	36.4
100			36.4	36.4
150				36.1
200				35.8
250				35.7
300				35.6
Avg.			36.4	35.9
400				35.1
500				
600				
Avg.				35.1

Raleigh Bay Section

Depth (m.)	Stations 76	75	74	73
0		35.6	36.1	36.1
10		35.6	36.1	36.1
20		35.6	36.1	36.1
30		36.0	36.2	36.2
50			36.3	36.3
75			36.4	36.4
Avg.		35.7	36.2	36.2
100			36.5	36.5
150			36.5	36.7
200			36.5	36.7
250			36.4	36.6
300			36.1	36.5
Avg.			36.4	36.6
400			35.5	36.2
500			35.2	
600			35.1	
800			35.0	
1000			35.0	
Avg.			35.1	36.2

Hatteras Section

Depth (m.)	Stations 78	79	80
0	35.1	36.3	36.2
10	35.1	36.3	36.1
20	35.1	36.2	36.2
30		36.3	36.2
50		36.3	36.2
75		36.5	36.3
Avg.	35.1	36.3	36.2
100		36.5	36.4
150		36.4	36.5
200		36.1	36.5
250		35.8	36.5
300		35.5	36.5
Avg.		36.0	36.5
400			36.3
500			36.0
600			35.6
800			35.1
1000			35.0
Avg.			35.6

Table 13.--Salinities (‰), by section, summer season

Depth (m.)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	34.9	35.9	36.1	35.8	36.0	36.0
10	35.5	36.0	36.1	36.1	36.0	36.0
20		36.0	36.1	36.2	36.0	36.0
30		36.1	36.1	36.2	36.1	36.0
50		36.2	36.1		36.2	36.1
75		36.3	36.3		36.3	36.3
Avg.	35.2	36.1	36.1	36.1	36.1	36.1
100		36.4	36.5		36.4	36.5
150		36.6	36.7		36.7	36.7
200		36.4	36.7		36.3	36.7
250		36.1	36.6		36.0	36.6
300		35.9	36.5		35.7	36.4
Avg.		36.3	36.6		36.2	36.6
400		35.3	36.2			36.1
500		35.1	35.7			35.7
600						
Avg.		35.3	36.0			36.0

Depth (m.)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	36.1	36.0	36.0	36.0	36.1	36.1	35.8	36.1
10	36.2	36.1	36.0	36.0	36.1	36.1	35.9	36.1
20		36.1	36.0	36.0		36.1	35.9	36.1
30			36.0	36.0		36.1	35.9	36.1
50			36.1	36.1		36.2	36.0	36.1
75			36.2	36.2			36.2	36.3
Avg.	36.1	36.0	36.0	36.0	36.1	36.1	35.9	36.1
100			36.4	36.3			36.3	36.4
150			36.4	36.7			36.6	36.6
200			36.4	36.7			36.5	36.7
250			36.1	36.6			36.3	36.6
300			35.7	36.5			35.9	36.5
Avg.			36.2	36.5			36.3	36.6
400				36.1			35.3	36.3
500				35.6			35.0	35.9
600				35.2				35.4
800								34.9
Avg.				35.7			35.2	35.8

Table 13.--Salinities (‰), by section, summer season--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	35.8	36.1	36.0	36.0	36.0
10	35.9	36.1	36.0	36.0	36.0
20		36.1	36.1	36.0	36.0
30			36.1	36.0	36.1
50				36.1	36.1
75				36.2	36.2
Avg.	35.9	36.1	36.1	36.0	36.1
100				36.4	36.3
150				36.4	36.6
200				36.0	36.7
250				35.7	36.6
300				35.4	36.5
Avg.				36.1	36.5
400				35.1	36.1
500					35.6
600					35.3
Avg.				35.1	35.7

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	35.5	36.0	36.1	35.9	35.9	36.0
10	35.6	36.0	36.1	35.9	35.9	36.0
20		35.9	36.2	36.0	36.0	36.1
30				36.1	36.0	36.1
50				36.2	36.1	36.1
75				36.3	36.2	36.3
Avg.	35.5	36.0	36.2	36.1	36.0	36.1
100				36.1	36.4	36.4
150					36.6	36.6
200					36.4	36.6
250					36.1	36.5
300					35.8	36.5
Avg.				36.1	36.3	36.5
400					35.3	36.2
500					35.1	35.9
600						35.6
Avg.					35.2	35.9

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	35.3	35.7	35.8	35.9	36.0	35.9
10	35.3	35.7	35.8	35.9	36.0	35.9
20			36.0	36.1	36.0	35.9
30			36.0	36.1	36.0	35.9
50				36.2	36.1	36.0
75					36.3	36.3
Avg.	35.3	35.7	35.9	36.0	36.1	36.0
100					36.4	36.6
150					36.4	36.6
200					36.3	36.6
250					36.2	36.6
300					35.8	36.4
Avg.					36.3	36.6
400					35.4	36.3
500						35.9
600						35.4
Avg.					35.4	35.9

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	35.0	35.8	36.1	36.0	35.9
10	35.2	35.8	36.0	36.0	35.9
20		35.9	36.1	36.0	35.9
30			36.2	36.1	36.0
50				36.3	36.0
75				36.2	36.1
Avg.	35.1	35.8	36.1	36.1	36.0
100				36.1	36.3
150				35.8	36.6
200				35.6	36.6
250				35.3	36.5
300				35.1	36.4
Avg.				35.6	36.5
400					36.0
500					35.9
600					
Avg.					36.0

Table 13.--Salinities (‰), by section, summer season--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	35.6	35.7	36.0	35.9	35.9
10	35.5	35.8	36.0	35.9	35.9
20		36.0	36.1	35.9	35.9
30			36.2	36.0	36.0
50			36.3	36.1	36.0
75			36.2	36.2	36.1
Avg.	35.5	35.9	36.1	36.0	36.0
100			35.8	36.4	36.3
150				36.1	36.6
200				35.8	36.6
250				35.5	36.5
300				35.2	36.4
Avg.			35.8	35.8	36.5
400					36.0
500					35.9
600					
Avg.					36.0

Cape Romain Section

Depth (m.)	Stations 46	47	48	49	50
0	35.5	35.9	36.2	36.1	36.1
10		35.9	36.0	36.1	36.0
20		35.8	36.1	36.2	36.0
30			36.2	36.2	36.0
50			36.3	36.2	36.0
75			36.0	36.1	36.2
Avg.	35.5	35.9	36.1	36.2	36.0
100			35.7	36.1	36.3
150			35.4	35.9	36.5
200			35.3	35.7	36.4
250				35.5	36.2
300				35.3	36.0
Avg.			35.5	35.9	36.3
400					36.0
500					35.6
600					
Avg.					35.8

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	35.1	35.6	35.8	36.0	36.1	36.0
10		35.7	35.8	35.9	36.1	36.0
20			36.1	36.1	36.1	36.0
30				36.2	36.2	36.0
50				36.3	36.2	36.1
75				36.2	36.1	36.1
Avg.	35.1	35.7	35.9	36.1	36.1	36.0
100				36.1	36.0	36.1
150				35.7	35.7	36.2
200					35.6	36.1
250					35.4	35.9
300					35.2	35.8
Avg.				35.9	35.6	36.0
400						35.1
500						
600						
Avg.						35.1

Cape Fear Section

Depth (m.)	Stations 58	59	60	61	62
0	35.6	35.8	36.0	36.0	36.1
10	35.5	35.9	36.0	35.9	36.0
20		36.1	36.0	36.0	36.1
30			36.1	36.1	36.1
50			36.3	36.3	36.1
75			36.3	36.3	36.2
Avg.	35.5	35.9	36.1	36.1	36.1
100			36.2	36.3	36.3
150			35.9	35.8	36.5
200			35.6	35.6	36.6
250				35.4	36.2
300				35.4	35.9
Avg.			35.9	35.7	36.3
400				35.1	35.7
500					35.5
600					35.3
Avg.				35.1	35.5

Table 13.--Salinities (‰), by section, summer season--Continued

Onslow Bay Section

Depth (m.)	Stations 67	66	65	64	63
0	35.8	36.1	36.2	36.1	36.0
10	35.8	36.1	36.2	36.1	36.0
20		36.2	36.2	36.1	36.1
30			36.4	36.2	36.1
50				36.3	36.2
75				36.4	36.4
Avg.	35.8	36.1	36.2	36.2	36.2
100				36.4	36.7
150				36.2	36.6
200				35.9	36.5
250				35.5	36.4
300					36.3
Avg.				36.1	36.5
400					36.1
500					
600					
Avg.					36.1

Cape Lookout Section

Depth (m.)	Stations 69	70	71	72
0	36.1	36.2	36.2	36.2
10	36.0	36.2	36.2	36.1
20		36.2	36.2	36.2
30			36.3	36.2
50			36.4	36.3
75			36.3	36.4
Avg.	36.0	36.2	36.3	36.2
100			36.3	36.5
150				36.6
200				36.3
250				36.1
300				36.1
Avg.			36.3	36.4
400				35.5
500				35.2
600				
Avg.				35.3

Raleigh Bay Section

Depth (m.)	Stations 76	75	74	73
0	35.6	36.0	36.2	36.0
10	35.8	36.0	36.3	36.1
20		36.1	36.3	36.1
30		36.2	36.3	36.1
50			36.4	36.3
75			36.5	36.4
Avg.	35.7	36.1	36.3	36.2
100			36.4	36.5
150			36.3	36.6
200			36.2	36.6
250			36.0	36.4
300			35.8	36.2
Avg.			36.2	36.4
400			35.5	35.9
500			35.2	35.7
600			35.1	35.8
800				35.4
1000				
Avg.			35.3	35.7

Hatteras Section

Depth (m.)	Stations 78	79	80
0	35.7	35.9	36.0
10	36.0	36.0	36.1
20	36.1	36.0	36.0
30		36.0	36.1
50		36.1	36.3
75		36.3	36.4
Avg.	35.9	36.0	36.2
100		36.5	36.6
150		36.4	36.7
200		36.2	36.7
250		36.1	36.6
300		35.9	36.5
Avg.		36.2	36.6
400		36.0	36.2
500		35.4	36.1
600		35.1	35.7
800			35.2
1000			35.1
Avg.		35.5	35.8

Table 14.--Salinities (‰), by section, fall season

Jupiter Section

Depth (m.)	Stations 3	2	1
0	34.3	36.0	36.0
10	35.2	36.0	36.1
20		36.0	36.0
30		36.0	36.0
50		36.1	36.0
75		36.3	36.3
Avg.	34.7	36.1	36.1
100		36.5	36.6
150		36.7	36.7
200		36.4	36.7
250		36.1	36.5
300		35.9	36.5
Avg.		36.3	36.6
400		35.3	36.1
500			35.8
600			
Avg.		35.3	36.0

Vero Section

Depth (m.)	Stations 5	6	7
0	35.3	36.0	36.1
10	35.4	36.0	36.1
20	35.8	36.1	36.1
30	35.9	36.1	36.1
50		36.1	36.2
75		36.2	36.3
Avg.	35.6	36.1	36.1
100		36.4	36.5
150		36.8	36.7
200		36.6	36.8
250		36.4	36.6
300		36.2	36.4
Avg.		36.5	36.6
400		35.6	36.1
500			35.8
600			
Avg.		35.6	36.0

Canaveral Section

Depth (m.)	Stations 11	10	9	8
0	33.4	34.9	36.0	36.0
10	36.2	34.9	36.0	36.0
20		35.1	36.0	36.0
30		35.0	36.0	36.0
50			36.1	36.0
75			36.1	36.2
Avg.	34.3	35.0	36.0	36.0
100			36.3	36.4
150			36.7	36.7
200			36.5	36.7
250			36.0	36.6
300			35.9	36.5
Avg.			36.3	36.6
400				36.1
500				35.7
600				35.3
800				
Avg.				35.7

Ponce de Leon Section

Depth (m.)	Stations 13	14	15	16
0	33.6	35.4	36.9	36.1
10	35.1	35.3	36.0	36.1
20		35.6	36.0	36.1
30		35.7	36.0	36.1
50		35.8	36.0	36.2
75			36.2	36.2
Avg.	34.4	35.6	36.1	36.1
100			36.3	36.3
150			36.7	36.7
200			36.6	36.7
250			36.4	36.6
300			36.1	36.5
Avg.			36.4	36.5
400			35.6	36.3
500			35.2	35.9
600			35.1	35.7
800				
Avg.			35.3	35.9

Table 14.--Salinities (‰), by section, fall season--Continued

Matanzas Section

Depth (m.)	Stations 21	20	19	18	17
0	33.1	35.9	35.9	35.9	36.2
10	34.7	35.9	35.9	36.0	36.2
20		35.8	35.9	36.0	36.1
30			36.0	36.0	36.1
50				36.1	36.1
75				36.3	36.3
Avg.	33.9	35.9	35.9	36.0	36.2
100				36.4	36.5
150				36.5	36.8
200				36.2	36.7
250				35.7	36.6
300				35.5	36.5
Avg.				36.1	36.6
400				35.3	36.0
500					35.7
600					35.1
Avg.				35.3	35.6

Jacksonville Section

Depth (m.)	Stations 23	24	25	26	27	28
0	35.9	35.9	36.1	35.9	35.9	36.0
10	35.4	36.0	36.1	36.0	35.9	36.0
20		35.4	36.1	35.9	35.9	36.1
30				35.9	35.9	36.1
50				36.0	35.9	36.2
75				36.1	36.1	36.3
Avg.	35.7	35.9	36.1	36.0	35.9	36.1
100				36.2	36.4	36.5
150				36.1	36.6	36.7
200					36.6	36.6
250					36.5	36.6
300					36.2	36.5
Avg.				36.2	36.4	36.6
400					35.5	36.3
500					35.2	36.0
600						35.5
Avg.					35.3	35.9

Brunswick Section

Depth (m.)	Stations 34	33	32	31	30	29
0	34.3	35.4	36.0	36.1	36.1	36.0
10	34.5	35.3	36.0	36.1	36.1	36.0
20			36.1	36.1	36.1	36.0
30			36.2	36.1	36.1	36.0
50					36.1	36.0
75					36.3	36.3
Avg.	34.4	35.4	36.1	36.1	36.1	36.0
100					36.6	36.5
150					36.8	36.6
200					36.7	36.6
250					36.5	36.6
300					36.3	36.5
Avg.					36.6	36.6
400					35.6	36.2
500					35.4	35.8
600						35.4
Avg.					35.5	35.8

Savannah Section

Depth (m.)	Stations 36	37	38	39	40
0	36.1	36.4	36.2	36.2	36.2
10	36.1	36.3	36.2	36.2	36.2
20		36.3	36.2	36.2	36.2
30			36.2	36.2	36.2
50				36.2	36.2
75				36.2	36.3
Avg.	36.1	36.3	36.2	36.2	36.2
100				36.5	36.5
150				36.5	36.8
200				36.1	36.7
250				35.7	36.6
300				35.5	36.4
Avg.				36.1	36.6
400				35.6	35.9
500					
600					
Avg.				35.6	35.9

Table 14.--Salinities (‰), by section, fall season--Continued

Charleston Section

Depth (m.)	Stations 44	43	42	41	40
0	36.2	36.3	36.2	36.2	36.2
10	36.2	36.3	36.2	36.2	36.2
20		36.3	36.2	36.2	36.2
30		36.2	36.2	36.2	36.2
50			36.2	36.2	36.2
75			36.2	36.4	36.3
Avg.	36.2	36.3	36.2	36.2	36.2
100			36.2	36.5	36.5
150				36.7	36.8
200				36.5	36.7
250				35.9	36.6
300				35.6	36.4
Avg.			36.2	36.3	36.6
400					
500					
600					
Avg.					

Cape Romain Section

Stations 46	47	48	49	50
35.8	36.3	36.3	36.2	36.2
35.9	36.3	36.2	36.2	36.2
	36.3	36.2	36.2	36.2
		36.2	36.2	36.2
		36.2	36.2	36.2
		36.3	36.3	36.3
35.9	36.3	36.2	36.2	36.2
		36.4	36.4	36.5
		36.3	36.3	36.7
			36.0	36.7
			35.8	36.4
			35.9	36.0
		36.3	36.1	36.5
				35.6
				36.1
				35.6
				35.7

Long Bay Section

Depth (m.)	Stations 56	55	54	53	52	51
0	35.9	36.2	36.3	36.1	36.2	36.2
10		36.2	36.2	36.2	36.2	36.2
20			36.2	36.2	36.2	36.2
30				36.2	36.2	36.2
50				36.2	36.2	36.3
75				36.2	36.3	36.4
Avg.	35.9	36.2	36.2	36.2	36.2	36.3
100				36.3	36.4	36.5
150				36.3	36.0	36.4
200					35.6	36.1
250					35.5	35.9
300					35.4	35.7
Avg.				36.3	35.8	36.1
400						35.7
500						35.3
600						
Avg.						35.5

Cape Fear Section

Stations 58	59	60	61	62
36.3	36.3	36.2	36.2	36.2
36.3	36.3	36.2	36.2	36.2
	36.3	36.2	36.2	36.2
		36.2	36.2	36.2
		36.3	36.3	36.2
		36.3	36.5	36.3
36.3	36.3	36.3	36.2	36.2
		36.4	36.6	36.5
		36.5	36.6	36.6
		36.0	36.2	36.6
			36.0	36.5
			35.7	36.3
		36.4	36.2	36.5
			35.6	36.0
				35.6
				35.5
			35.6	35.7

Table 14.--Salinities (‰), by section, fall season--Continued

Depth (m.)	Onslow Bay Section Stations 67	66	65	64	63	Cape Lookout Section Stations 69	70	71	72
0	36.0	36.3	36.2	36.3	36.1	35.0	35.5	36.2	36.2
10	36.0	36.3	36.2	36.2	36.1	35.5	35.5	36.2	36.2
20		36.3	36.2	36.3	36.1		35.5	36.3	36.2
30			36.2	36.3	36.1			36.3	36.2
50				36.3	36.2			36.2	36.3
75				36.3	36.3			36.2	36.3
Avg.	36.0	36.3	36.2	36.3	36.2	35.2	35.5	36.2	36.2
100				36.4	36.4			36.2	36.3
150				36.7	36.6				36.3
200				36.6	36.6				36.3
250				36.5	36.5				36.2
300				36.0	36.3				35.8
Avg.				36.4	36.5			36.2	36.2
400					35.9				
500					36.2				
600					35.7				
Avg.					35.9				

Depth (m.)	Raleigh Bay Section Stations 76	75	74	73	Hatteras Section Stations 78	79	80
0	32.8	36.3					
10	32.7	36.3					
20		36.3					
30		36.2					
50							
75							
Avg.	32.8	36.3					
100							
150							
200							
250							
300							
Avg.							
400							
500							
600							
800							
1000							
Avg.							

Table 15.-- Salinities (‰), by station, winter season, southern inner shelf

Station 3

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.18	36.13	36.2
10	36.15		36.1
20			
Avg.	36.2	36.1	36.2

Station 4

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.22		36.2
10	36.29		36.3
20			
Avg.	36.3		36.3

Station 11

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.09	35.01	35.5
10	36.17		36.2
20			
Avg.	36.1	35.0	35.8

Station 12

Depth (m.)	Cruise 1	Cruise 5	Avg.
		35.03	35.0
		35.03	35.0
		35.0	35.0

Station 13

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		35.05	35.1
10		35.00	35.0
20			
Avg.		35.0	35.0

Station 21

Depth (m.)	Cruise 1	Cruise 5	Avg.
		33.26	33.3
		33.38	33.4
		33.3	33.3

Station 22

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		33.70	33.7
10		33.68	33.7
20			
Avg.		33.7	33.7

Station

Depth (m.)	Cruise	Avg.

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 16.--Salinities (‰), by station, winter season, southern outer shelf

Station 5

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.17	36.34	36.3
10	36.18	36.32	36.3
20	36.08	36.31	36.2
30	35.90	36.29	36.1
50			
75			
Avg.	36.1	36.3	36.2
100			
150			
200			
Avg.			

Station 10

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		36.26	36.3
10		36.22	36.2
20		36.22	36.2
30			
50			
75			
Avg.		36.2	36.2
100			
150			
200			
Avg.			

Station 14

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		36.18	36.2
10		36.18	36.2
20		36.17	36.2
30		36.18	36.2
50		36.27	36.3
75			
Avg.		36.2	36.2
100			
150			
200			
Avg.			

Station 19

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		36.25	36.3
10		36.26	36.3
20		36.26	36.3
30		36.26	36.3
50			
75			
Avg.		36.3	36.3
100			
150			
200			
Avg.			

Station 20

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		35.40	35.4
10		35.40	35.4
20		35.56	35.6
30			
50			
75			
Avg.		35.5	35.5
100			
150			
200			
Avg.			

Station

Depth (m.)	Cruise	Avg.

Table 17.--Salinities (‰), by station, winter season, southern offshore

Station 1

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.35	36.20	36.3
10	36.33	36.20	36.3
20	36.36	36.18	36.3
30	36.36	36.21	36.3
50	36.36	36.24	36.3
75	36.41	36.21	36.3
Avg.	36.4	36.2	36.3
100	36.47	36.18	36.3
150	36.72	36.74	36.7
200	36.80	36.70	36.7
250	36.62	36.63	36.6
300	36.47	36.55	36.5
Avg.	36.6	36.6	36.6
400	36.27	36.08	36.2
500	35.84	35.82	35.8
600			
800			
1000			
Avg.	36.1	35.9	36.0

Station 2

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.18	36.18	36.2
10	36.15	36.19	36.2
20	36.21	36.23	36.2
30	36.15	36.23	36.2
50	36.29	36.24	36.3
75	36.72	36.30	36.5
Avg.	36.3	36.2	36.3
100	36.80	36.40	36.6
150	36.51	36.59	36.5
200	36.29	36.25	36.3
250	36.06	36.08	36.1
300	35.76	35.84	35.8
Avg.	36.3	36.2	36.3
400	35.20	35.30	35.3
500			
600			
800			
1000			
Avg.	35.2	35.3	35.3

Station 6

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.15	36.22	36.2
10	36.11	36.22	36.2
20	36.13	36.22	36.2
30	36.11	36.21	36.2
50	36.18	36.20	36.2
75	36.50	36.22	36.4
Avg.	36.2	36.2	36.2
100	36.60	36.29	36.4
150	36.36	36.56	36.5
200	36.09	36.47	36.3
250	35.79	36.29	36.0
300	35.50	36.07	35.8
Avg.	36.1	36.3	36.2
400		35.52	35.5
500			
600			
800			
1000			
Avg.		35.5	35.5

Station 7

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.18	36.24	36.2
10	36.27	36.22	36.2
20	36.24	36.25	36.2
30	36.26	36.25	36.3
50	36.20	36.25	36.2
75	36.30	36.27	36.3
Avg.	36.2	36.2	36.2
100	36.39	36.34	36.4
150	36.58	36.70	36.6
200	36.60	36.75	36.7
250	36.41	36.65	36.5
300	36.24	36.53	36.4
Avg.	36.4	36.6	36.5
400		36.20	36.2
500			
600			
800			
1000			
Avg.		36.2	36.2

Table 17.--Salinities (‰), by station, winter season, southern offshore--Continued

Station 8

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.22	36.22	36.2
10	36.18	36.22	36.2
20	36.18	36.20	36.2
30	36.18	36.20	36.2
50	36.18	36.21	36.2
75	36.27	36.35	36.3
Avg.	36.2	36.2	36.2
100	36.36	36.46	36.4
150	36.56	36.60	36.6
200	36.64	36.65	36.6
250	36.48	36.60	36.5
300	36.31	36.55	36.4
Avg.	36.5	36.6	36.5
400	35.93	36.32	36.1
500	35.43	35.71	35.6
600	35.12	35.24	35.2
800			
1000			
Avg.	35.5	35.8	35.6

Station 9

Depth (m.)	Cruise 1	Cruise 5	Avg.

Station 15

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		36.10	36.1
10		36.11	36.1
20		36.15	36.1
30		36.19	36.2
50		36.27	36.3
75		36.41	36.4
Avg.		36.2	36.2
100		36.53	36.5
150		36.70	36.7
200		36.64	36.6
250		36.53	36.5
300		36.36	36.4
Avg.		36.6	36.6
400		35.82	35.8
500		35.35	35.3
600		34.94	34.9
800			
1000			
Avg.		35.4	35.4

Station 16

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		36.40	36.4
10		36.40	36.4
20		36.41	36.4
30		36.47	36.5
50		36.55	36.5
75		36.55	36.5
Avg.		36.5	36.5
100		36.56	36.6
150		36.66	36.7
200		36.74	36.7
250		36.66	36.7
300		36.59	36.6
Avg.		36.6	36.6
400		36.48	36.5
500		36.23	36.2
600			
800			
1000			
Avg.		36.4	36.4

Table 17.--Salinities (‰), by station, winter season, southern offshore--Continued

Depth (m.)	Station 17 Cruise 1	Station 17 Cruise 5	Station 17 Avg.	Station 18 Cruise 1	Station 18 Cruise 5	Station 18 Avg.
0		36.42	36.4		36.17	36.2
10		36.44	36.4		36.15	36.1
20		36.43	36.4		36.15	36.1
30		36.50	36.5		36.15	36.1
50		36.59	36.6		36.19	36.2
75		36.56	36.6		36.32	36.3
Avg.		36.5	36.5		36.2	36.2
100		36.53	36.5		36.47	36.5
150		36.58	36.6		36.54	36.5
200		36.74	36.7		36.28	36.3
250		36.73	36.7		35.99	36.0
300		36.68	36.7		35.63	35.6
Avg.		36.7	36.7		36.2	36.2
400		36.33	36.3		35.12	35.1
500		36.05	36.1			
600		35.66	35.7			
800						
1000						
Avg.		36.0	36.0		35.1	35.1

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Table 18.--Salinities (‰), by station, winter season, central inner shelf

Station 23

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	34.94	32.43	33.7
10	35.10	33.03	34.1
20			
Avg.	35.0	32.7	33.9

Station 34

	Cruise 1	Cruise 5	Avg.
0	34.56	32.84	33.7
10	34.54	32.81	33.7
20			
Avg.	34.5	32.8	33.7

Station 35

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	34.76	32.18	33.5
10	35.01	33.57	34.3
20			
Avg.	34.9	32.9	33.9

Station 36

	Cruise 1	Cruise 5	Avg.
0	35.25	35.11	35.2
10	35.25	35.14	35.2
20			
Avg.	35.3	35.1	35.2

Station 44

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	34.92	35.55	35.2
10	34.99	35.71	35.3
20			
Avg.	35.0	35.6	35.3

Station 45

	Cruise 1	Cruise 5	Avg.
0	33.64		33.6
10	34.69		34.7
20			
Avg.	34.2		34.2

Station 46

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	33.82	34.05	33.9
10	34.22		34.2
20			
Avg.	34.0	34.1	34.0

Station 55

	Cruise 1	Cruise 5	Avg.
0		35.48	35.5
10		35.69	35.7
20			
Avg.		35.6	35.6

Station 56

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	34.13	34.75	34.4
10			
20			
Avg.	34.1	34.7	34.4

Station

	Cruise	Avg.

Table 19.-- Salinities (‰), by station, winter season, central outer shelf

Station 24

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.17	35.04	35.6
10	36.17	35.17	35.7
20	36.26		36.3
30			
50			
75			
Avg.	36.2	35.1	35.8
100			
150			
200			
Avg.			

Station 25

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.11	36.31	36.2
10	36.13	36.31	36.2
20	36.13	36.32	36.2
30	36.15		36.1
Avg.	36.1	36.3	36.2

Station 26

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.20	36.23	36.2
10	36.18	36.24	36.2
20	36.17	36.23	36.2
30	36.13	36.18	36.2
50	35.97	36.16	36.1
75	35.59	36.29	35.9
Avg.	36.0	36.2	36.1
100	35.30	36.33	35.8
150	34.96		35.0
200			
Avg.	35.1	36.3	35.5

Station 31

Depth (m.)	Cruise 1	Cruise 5	Avg.

Station 32

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.18		36.2
10	36.22		36.2
20	36.20		36.2
30	36.20		36.2
50			
75			
Avg.	36.2		36.2
100			
150			
200			
Avg.			

Station 33

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	35.97	35.62	35.8
10	36.00	35.59	35.8
20	36.00		36.0
Avg.	36.0	35.6	35.8

Table 19.--Salinities (‰), by station, winter season, central outer shelf--Continued

Station 37

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.15	35.59	35.9
10	36.17	35.57	35.9
20	36.17	35.55	35.9
30	36.18		36.2
50			
75			
Avg.	36.2	35.6	35.9
100			
150			
200			
Avg.			

Station 38

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.36	36.38	36.4
10	36.18	36.39	36.3
20	36.36	36.39	36.4
30	36.13	36.36	36.2
50			
75			
Avg.	36.3	36.4	36.3
100			
150			
200			
Avg.			

Station 42

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.22	36.26	36.2
10	36.22	36.18	36.2
20	36.00	36.26	36.1
30	36.22	36.30	36.3
50	36.21	36.33	36.3
75	36.09	36.29	36.2
Avg.	36.2	36.3	36.2
100			
150			
200			
Avg.			

Station 43

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.29	36.31	36.3
10	36.27	36.29	36.3
20	36.22	36.26	36.2
30			
50			
75			
Avg.	36.3	36.3	36.3
100			
150			
200			
Avg.			

Station 47

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.27	36.32	36.3
10	36.26	36.31	36.3
20	36.26	36.29	36.3
30			
50			
75			
Avg.	36.3	36.3	36.3
100			
150			
200			
Avg.			

Station 48

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.22	36.36	36.3
10	36.20	36.36	36.3
20	36.18	36.34	36.3
30	36.20	36.34	36.3
50	36.15	36.33	36.2
75	35.81	36.33	36.1
Avg.	36.1	36.3	36.2
100	35.62	36.33	36.0
150	35.37	36.15	35.8
200	35.30		35.3
Avg.	35.4	36.2	35.8

Table 19.--Salinities (‰), by station, winter season, central outer shelf--Continued

Depth (m.)	Station 53 Cruise 1	Station 53 Cruise 5	Station 53 Avg.	Station 54 Cruise 1	Station 54 Cruise 5	Station 54 Avg.
0	36.20	36.38	36.3		36.36	36.4
10	36.18	36.36	36.3	36.13	36.37	36.3
20	36.15	36.36	36.3	36.11	36.16	36.1
30	36.11	36.39	36.3			
50	36.08	36.44	36.3			
75	35.84	36.43	36.1			
Avg.	36.1	36.4	36.2	36.1	36.3	36.2
100	35.79	36.42	36.1			
150	35.44	36.17	35.8			
200						
Avg.	35.6	36.3	36.0			

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 20.--Salinities (‰), by station, winter season, central offshore

Depth (m.)	Station 27 Cruise 1	Station 27 Cruise 5	Station 27 Avg.	Station 28 Cruise 1	Station 28 Cruise 5	Station 28 Avg.
0					36.39	36.4
10					36.38	36.4
20					36.36	36.4
30					36.37	36.4
50					36.38	36.4
75					36.39	36.4
Avg.					36.4	36.4
100					36.40	36.4
150					36.58	36.6
200					36.65	36.7
250					36.64	36.6
300					36.62	36.6
Avg.					36.6	36.6
400					36.38	36.4
500						
600						
800						
1000						
Avg.					36.4	36.4

Depth (m.)	Station 29 Cruise 1	Station 29 Cruise 5	Station 29 Avg.	Station 30 Cruise 1	Station 30 Cruise 5	Station 30 Avg.
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 20.--Salinities (‰), by station, winter season, central offshore--Continued

Station 39

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.20	36.12	36.2
10	36.22	36.14	36.2
20	36.24	36.15	36.2
30	36.26	36.19	36.2
50	36.33	36.25	36.3
75	36.38	36.30	36.3
Avg.	36.3	36.2	36.2
100	36.35		36.3
150	36.24		36.2
200	35.92		35.9
250	35.59		35.6
300	35.32		35.3
Avg.	35.9		35.9
400			
500			
600			
800			
1000			
Avg.			

Station 40

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.18	36.36	36.3
10	36.13	36.31	36.2
20	36.12	36.28	36.2
30	36.12	36.30	36.2
50	36.16	36.29	36.2
75	36.48	36.27	36.4
Avg.	36.2	36.3	36.3
100	36.72	36.33	36.5
150	36.70	36.38	36.5
200		36.44	36.4
250		36.51	36.5
300		36.37	36.4
Avg.	36.7	36.4	36.5
400		35.64	35.6
500			
600			
800			
1000			
Avg.		35.6	35.6

Station 41

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	35.93		35.9
10	35.89	36.14	36.0
20	36.17	36.16	36.2
30	36.19	36.17	36.2
50	36.49	36.16	36.3
75	36.40	36.30	36.3
Avg.	36.2	36.2	36.2
100	36.31	36.33	36.3
150	36.66	36.11	36.4
200	36.65	35.78	36.2
250	36.53	35.55	36.0
300	36.46	35.40	35.9
Avg.	36.5	35.8	36.2
400		35.26	35.3
500			
600			
800			
1000			
Avg.		35.3	35.3

Station 49

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.27	36.19	36.2
10	36.23	36.20	36.2
20	36.14	36.18	36.2
30	36.04	36.22	36.1
50	35.95	36.30	36.1
75	35.95	36.38	36.2
Avg.	36.1	36.2	36.2
100	35.94	36.43	36.2
150	35.83	36.32	36.1
200	35.52	36.11	35.8
250	35.29	35.83	35.6
300			
Avg.	35.6	36.2	35.9

Table 20.--Salinities (‰), by station, winter season, central offshore--Continued

Station 50

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.22	36.08	36.1
10	36.17	36.08	36.1
20	36.17	36.07	36.1
30	36.18	36.06	36.1
50	36.21	36.11	36.2
75	36.35	36.23	36.3
Avg.	36.2	36.1	36.2
100	36.50	36.28	36.4
150	36.71	36.33	36.5
200	36.63	36.30	36.5
250	36.37	36.21	36.3
300	36.09	36.06	36.1
Avg.	36.5	36.2	36.3
400	35.70	35.54	35.6
500	35.43		35.4
600			
800			
1000			
Avg.	35.6	35.5	35.6

Station 51

Cruise 1	Cruise 5	Avg.
36.24	36.30	36.3
36.32	36.30	36.3
36.30	36.31	36.3
36.28	36.32	36.3
36.29	36.36	36.3
36.42	36.41	36.4
36.3	36.3	36.3
36.55	36.41	36.5
36.18	35.92	36.1
35.89	35.63	35.8
35.73	35.42	35.6
	35.25	35.3
36.1	35.7	35.9

Station 52

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.11	36.36	36.2
10	36.11	36.36	36.2
20	36.09	36.34	36.2
30	35.94	36.38	36.2
50	35.72	36.43	36.1
75	35.61	36.44	36.0
Avg.	35.9	36.4	36.2
100	35.59	36.45	36.0
150	35.43	36.21	35.8
200	35.29	35.65	35.5
250	35.19	35.46	35.3
300		35.34	35.3
Avg.	35.4	35.8	35.6
400			
500			
600			
800			
1000			
Avg.			

Station

Cruise		Avg.

Table 21.--Salinities (‰), by station, winter season, northern inner shelf

Station 57

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	35.90		35.9
10	35.95		35.9
20			
Avg.	35.9		35.9

Station 58

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	34.18	36.15	35.2
10	34.61	36.13	35.4
20			
Avg.	34.4	36.1	35.3

Station 67

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		34.88	34.9
10		35.25	35.3
20			
Avg.		35.1	35.1

Station 68

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		36.13	36.1
10		36.08	36.1
20			
Avg.		36.1	36.1

Station 69

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	35.01	35.80	35.4
10	35.14	35.90	35.5
20			
Avg.	35.1	35.9	35.5

Station 76

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		35.59	35.6
10		35.99	36.0
20			
Avg.		35.8	35.8

Station 77

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	33.01	35.18	34.1
10	33.86	35.17	34.5
20		36.01	36.0
Avg.	33.4	35.5	34.6

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.

Table 22.--Salinities (‰), by station, winter season, northern outer shelf

Station 59

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.17	36.42	36.3
10	36.20	36.43	36.3
20	36.18	36.42	36.3
30			
50			
75			
Avg.	36.2	36.4	36.3
100			
150			
200			
Avg.			

Station 60

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	35.99		36.0
10	35.97		36.0
20	35.97		36.0
30	35.99		36.0
50	36.10		36.1
75	36.22		36.2
Avg.	36.0		36.0
100	35.99		36.0
150			
200			
Avg.	36.0		36.0

Station 65

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		36.33	36.3
10		36.31	36.3
20		36.33	36.3
30		36.29	36.3
50			
75			
Avg.		36.3	36.3
100			
150			
200			
Avg.			

Station 66

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		36.38	36.4
10		36.36	36.4
20		35.88	35.9
30			
50			
75			
Avg.		36.2	36.2
100			
150			
200			
Avg.			

Station 70

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	35.81	36.44	36.1
10	35.93	36.42	36.2
20	35.88	36.41	36.1
30			
50			
75			
Avg.	35.9	36.4	36.1
100			
150			
200			
Avg.			

Station 71

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.17	36.29	36.2
10	36.11	36.26	36.2
20	36.11	36.27	36.2
30	35.97	36.27	36.1
50		36.28	36.3
75		36.31	36.3
Avg.	36.1	36.3	36.2
100		36.35	36.3
150			
200			
Avg.		36.3	36.3

Table 22.--Salinities (‰), by station, winter season, northern outer shelf--Continued

Depth (m.)	Station 75 Cruise 1	Station 75 Cruise 5	Station 75 Avg.	Station 78 Cruise 1	Station 78 Cruise 5	Station 78 Avg.
0	35.35	36.42	35.9			
10	35.35	36.42	35.9			
20	35.35	36.34	35.8			
30		36.34	36.3			
50						
75						
Avg.	35.3	36.4	35.9			
100						
150						
200						
Avg.						

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 23.--Salinities (‰), by station, winter season, northern offshore

Station 61

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.06	36.36	36.2
10	36.06	36.35	36.2
20	36.06	36.35	36.2
30	36.02	36.36	36.2
50	35.97	36.36	36.2
75	35.97	36.36	36.2
Avg.	36.0	36.4	36.2
100	35.89	36.30	36.1
150	35.57	35.88	35.7
200	35.47	35.57	35.5
250	35.26	35.34	35.3
300		35.19	35.2
Avg.	35.5	35.7	35.6
400			
500			
600			
800			
1000			
Avg.			

Station 62

Depth (m.)	Cruise 1	Cruise 5	Avg.
0	36.17	36.31	36.2
10	36.26	36.37	36.3
20	36.20	36.34	36.3
30	36.20	36.35	36.3
50	36.23	36.36	36.3
75	36.45	36.38	36.4
Avg.	36.3	36.4	36.3
100	36.60	36.36	36.5
150	36.67	36.01	36.3
200	36.64	35.61	36.1
250	36.53	35.35	35.9
300	36.40	35.23	35.8
Avg.	36.6	35.7	36.1
400	36.10	35.13	35.6
500	35.75	35.08	35.4
600	35.34		35.3
800			
1000			
Avg.	35.7	35.1	35.5

Station 63

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		36.29	36.3
10		36.20	36.2
20		36.21	36.2
30		36.28	36.3
50		36.36	36.4
75		36.35	36.3
Avg.		36.3	36.3
100		36.32	36.3
150		36.00	36.0
200		35.63	35.6
250		35.43	35.4
300		35.28	35.3
Avg.		35.7	35.7
400		35.12	35.1
500		35.08	35.1
600		35.08	35.1
800			
1000			
Avg.		35.1	35.1

Station 64

Depth (m.)	Cruise 1	Cruise 5	Avg.
0		36.31	36.3
10		36.29	36.3
20		36.26	36.3
30		36.28	36.3
50		36.32	36.3
75		36.37	36.4
Avg.		36.3	36.3
100		36.40	36.4
150		36.34	36.3
200		35.75	35.7
250			
300			
Avg.		36.2	36.2
400			
500			
600			
800			
1000			
Avg.			

Table 23.--Salinities (‰), by station, winter season, northern offshore--Continued

Depth (m.)	Station 72 Cruise 1	Station 72 Cruise 5	Station 72 Avg.	Station 73 Cruise 1	Station 73 Cruise 5	Station 73 Avg.
0	36.44		36.4			
10	36.27		36.3			
20	36.27		36.3			
30	36.28		36.3			
50	36.38		36.4			
75	36.72		36.7			
Avg.	36.4		36.4			
100	36.82		36.8			
150	36.48		36.5			
200	36.07		36.1			
250	35.94		35.9			
300	35.82		35.8			
Avg.	36.2		36.2			
400	35.64		35.6			
500	35.53		35.5			
600						
800						
1000						
Avg.	35.6		35.6			

Depth (m.)	Station 74 Cruise 1	Station 74 Cruise 5	Station 74 Avg.	Station 79 Cruise 1	Station 79 Cruise 5	Station 79 Avg.
0	36.36		36.4			
10	36.30		36.3			
20	36.28		36.3			
30	36.29		36.3			
50	36.28		36.3			
75	36.27		36.3			
Avg.	36.3		36.3			
100	36.33		36.3			
150	36.22		36.2			
200						
250						
300						
Avg.	36.3		36.3			
400						
500						
600						
800						
1000						
Avg.						

Table 24.--Salinities (‰), by station, spring season, southern inner shelf

Station 3

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.26	35.79	36.0
10	36.30	35.77	36.0
20			
Avg.	36.3	35.8	36.0

Station 4

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.30	36.02	36.2
10	36.27	36.00	36.1
20			
Avg.	36.3	36.0	36.1

Station 11

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.27	35.84	36.1
10			
20			
Avg.	36.3	35.8	36.1

Station 12

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.24	36.08	36.2
10	36.27	36.04	36.2
20			
Avg.	36.3	36.1	36.2

Station 13

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.22	35.68	35.9
10	36.24	35.76	36.0
20			
Avg.	36.2	35.7	36.0

Station 21

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	35.97		36.0
10	35.95		35.9
20			
Avg.	36.0		36.0

Station 22

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.00		36.0
10	35.99		36.0
20			
Avg.	36.0		36.0

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 25 .--Salinities (‰), by station, spring season, southern outer shelf

Station 5

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.30	36.01	36.2
10	36.26	36.18	36.2
20	36.12	36.30	36.2
30	36.08	36.20	36.1
50			
75			
Avg.	36.2	36.2	36.2
100			
150			
200			
Avg.			

Station 10

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.29	36.17	36.2
10	36.26	36.17	36.2
20	36.11	36.22	36.2
30		36.34	36.3
50			
75			
Avg.	36.2	36.2	36.2
100			
150			
200			
Avg.			

Station 14

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.35	36.16	36.3
10	36.33	36.15	36.2
20	36.31	36.25	36.3
30	36.29	36.33	36.3
50		36.33	36.3
75			
Avg.	36.3	36.2	36.3
100			
150			
200			
Avg.			

Station 19

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.33		36.3
10	36.34		36.3
20	36.27		36.3
30	36.19		36.2
50			
75			
Avg.	36.3		36.3
100			
150			
200			
Avg.			

Station 20

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.36		36.4
10	36.36		36.4
20	36.29		36.3
30			
50			
75			
Avg.	36.3		36.3
100			
150			
200			
Avg.			

Station

Depth (m.)	Cruise	Avg.

Table 26.--Salinities (‰), by station, spring season, southern offshore

Station 1

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.10	36.00	36.1
10	36.06	36.00	36.0
20	36.07	36.00	36.0
30	36.06	36.00	36.0
50	36.07	36.00	36.0
75	36.16	36.02	36.1
Avg.	36.1	36.0	36.0
100	36.35	36.15	36.3
150	36.72	36.71	36.7
200	36.63	36.67	36.7
250	36.31	36.54	36.4
300	36.06	36.41	36.2
Avg.	36.4	36.5	36.5
400	35.53	36.14	35.8
500		35.82	35.8
600		35.43	35.4
800			
1000			
Avg.	35.5	35.8	35.7

Station 2

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.25	36.06	36.2
10	36.23	36.06	36.1
20	36.27	36.00	36.1
30	36.31	36.00	36.2
50	36.34	36.03	36.2
75	36.32	36.15	36.2
Avg.	36.3	36.1	36.2
100	36.14	36.30	36.2
150	35.54	36.72	36.1
200		36.32	36.3
250		36.05	36.1
300		35.81	35.8
Avg.	35.8	36.2	36.1
400		35.39	35.4
500		35.14	35.1
600			
800			
1000			
Avg.		35.3	35.3

Station 6

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.18	36.01	36.1
10	36.12	36.00	36.1
20	36.09	36.00	36.0
30	36.09	36.00	36.0
50	36.13	36.09	36.1
75	36.28	36.24	36.3
Avg.	36.1	36.1	36.1
100	36.38	36.27	36.3
150	36.43	36.33	36.4
200	36.28	36.32	36.3
250	36.01		36.0
300			
Avg.	36.3	36.3	36.3
400			
500			
600			
800			
1000			
Avg.			

Station 7

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.13	35.99	36.1
10	36.12	35.99	36.1
20	36.09	35.99	36.0
30	36.09	35.98	36.0
50	36.08	35.97	36.0
75	36.26	35.98	36.1
Avg.	36.1	36.0	36.1
100	36.46	36.10	36.3
150	36.70	36.66	36.7
200	36.62	36.69	36.7
250	36.47	36.53	36.5
300	36.30	36.36	36.3
Avg.	36.5	36.5	36.5
400	35.84	36.00	35.9
500			
600			
800			
1000			
Avg.	35.8	36.0	35.9

Table 26.--Salinities (‰), by station, spring season, southern offshore--Continued

Station 8

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.07	35.99	36.0
10	36.06	35.99	36.0
20	36.10	35.99	36.0
30	36.10	36.00	36.1
50	36.07	36.03	36.1
75	36.36	36.06	36.2
Avg.	36.1	36.0	36.1
100	36.57	36.13	36.3
150	36.64	36.57	36.6
200	36.60	36.73	36.7
250	36.46	36.56	36.5
300	36.27	36.27	36.3
Avg.	36.5	36.5	36.5
400	35.88	35.79	35.8
500	35.49	35.34	35.4
600	35.14	35.07	35.1
800			
1000			
Avg.	35.5	35.4	35.5

Station 9

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.12	36.09	36.1
10	36.10	36.07	36.1
20	36.13	36.06	36.1
30	36.13	36.06	36.1
50	36.21	36.07	36.1
75	36.36	36.27	36.3
Avg.	36.2	36.1	36.1
100	36.42	36.46	36.4
150	36.44	36.46	36.5
200	36.21	36.39	36.3
250		35.90	35.9
300			
Avg.	36.4	36.3	36.3

Station 15

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.08	36.06	36.1
10	36.09	36.06	36.1
20	36.08	36.09	36.1
30	36.06	36.09	36.1
50	36.06	36.09	36.1
75	36.23	36.14	36.2
Avg.	36.1	36.1	36.1
100	36.39	36.32	36.4
150	36.65	36.55	36.6
200	36.61	36.39	36.5
250	36.54	36.29	36.4
300	36.45	36.06	36.3
Avg.	36.5	36.3	36.4
400	36.15	35.46	35.8
500	35.77	35.11	35.4
600	35.32		35.3
800			
1000			
Avg.	35.7	35.3	35.6

Station 16

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.08	36.09	36.1
10	36.08	36.08	36.1
20	36.04	36.07	36.1
30	36.25	36.07	36.2
50	36.54	36.08	36.3
75	36.62	36.10	36.4
Avg.	36.3	36.1	36.2
100	36.67	36.21	36.4
150	36.67	36.66	36.7
200	36.58	36.76	36.7
250	36.51	36.72	36.6
300	36.44	36.61	36.5
Avg.	36.6	36.6	36.6
400	36.27	36.20	36.2
500	36.86	35.71	36.3
600	35.47	35.32	35.4
800			
1000			
Avg.	36.2	35.7	36.0

Table 26.--Salinities (‰), by station, spring season, southern offshore--Continued

Depth (m.)	Station 17 Cruise 2	Station 17 Cruise 6	Station 17 Avg.	Station 18 Cruise 2	Station 18 Cruise 6	Station 18 Avg.
0	36.13	36.11	36.1	36.12		36.1
10	36.09	36.11	36.1	36.10		36.1
20	36.13	36.11	36.1	36.13		36.1
30	36.20	36.12	36.2	36.20		36.2
50	36.43	36.16	36.3	36.35		36.3
75	36.67	36.22	36.4	36.43		36.4
Avg.	36.3	36.1	36.2	36.2		36.2
100	36.68	36.38	36.5	36.40		36.4
150	36.63	36.71	36.7	36.40		36.4
200	36.60	36.77	36.7			
250	36.55	36.67	36.6			
300	36.47	36.52	36.5			
Avg.	36.6	36.6	36.6	36.4		36.4
400	36.10	36.19	36.1			
500	35.62	35.94	35.8			
600	35.20	35.60	35.4			
800						
1000						
Avg.	35.6	35.9	35.8			

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Table 27.--Salinities (‰), by station, spring season, central inner shelf

Station 23

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	35.58		35.6
10	35.62		35.6
20			
Avg.	35.6		35.6

Station 34

	Cruise 2	Cruise 6	Avg.
	34.70		34.7
	34.75		34.7
	34.7		34.7

Station 35

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	34.69		34.7
10	34.86		34.9
20			
Avg.	34.8		34.8

Station 36

	Cruise 2	Cruise 6	Avg.
	34.61		34.6
	34.69		34.7
	34.7		34.7

Station 44

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	33.58		33.6
10	34.36		34.4
20			
Avg.	34.0		34.0

Station 45

	Cruise 2	Cruise 6	Avg.
	33.44		33.4
	34.75		34.7
	34.1		34.1

Station 46

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	33.91		33.9
10			
20			
Avg.	33.9		33.9

Station 55

	Cruise 2	Cruise 6	Avg.
	33.77		33.8
	35.70		35.7
	34.7		34.7

Station 56

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	33.49		33.5
10			
20			
Avg.	33.5		33.5

Station

	Cruise	Avg.

Table 28.--Salinities (‰), by station, spring season, central outer shelf

Station 24

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.13		36.1
10	36.13		36.1
20	36.22		36.2
30			
50			
75			
Avg.	36.2		36.2
100			
150			
200			
Avg.			

Station 25

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.36		36.4
10	36.30		36.3
20	36.24		36.2
30			
50			
75			
Avg.	36.3		36.3
100			
150			
200			
Avg.			

Station 26

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.35		36.3
10	36.33		36.3
20	36.33		36.3
30	36.36		36.4
50	36.35		36.3
75	36.17		36.2
Avg.	36.3		36.3
100	35.81		35.8
150			
200			
Avg.	35.8		35.8

Station 31

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.37		36.4
10	36.40		36.4
20	36.39		36.4
30	36.40		36.4
50			
75			
Avg.	36.4		36.4
100			
150			
200			
Avg.			

Station 32

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.10		36.1
10	36.13		36.1
20	36.22		36.2
30	36.22		36.2
50			
75			
Avg.	36.2		36.2
100			
150			
200			
Avg.			

Station 33

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	35.17		35.2
10	35.37		35.4
20			
30			
50			
75			
Avg.	35.3		35.3
100			
150			
200			
Avg.			

Table 28.--Salinities (‰), by station, spring season, central outer shelf--Continued

Station 37

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	34.63		34.6
10	34.69		34.7
20			
30			
50			
75			
Avg.	34.7		34.7
100			
150			
200			
Avg.			

Station 38

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	35.70		35.7
10	35.71		35.7
20	35.89		35.9
30	36.15		36.1
50			
75			
Avg.	35.9		35.9
100			
150			
200			
Avg.			

Station 42

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	34.85		34.9
10	34.81		34.8
20	35.02		35.0
30	35.61		35.6
50	36.07		36.1
75	35.96		36.0
Avg.	35.4		35.4
100	36.68		35.7
150			
200			
Avg.	35.7		35.7

Station 43

Depth (m.)	Cruise 2	Cruise 6	Avg.
0			
10			
20	36.14		36.1
30			
50			
75			
Avg.	36.1		36.1
100			
150			
200			
Avg.			

Station 47

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	34.56		34.6
10	34.78		34.8
20	35.99		36.0
30			
50			
75			
Avg.	35.1		35.1
100			
150			
200			
Avg.			

Station 48

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.26		36.3
10	36.27		36.3
20	36.34		36.3
30	36.35		36.3
50	36.35		36.3
75	36.28		36.3
Avg.	36.3		36.3
100	36.17		36.2
150	35.80		35.8
200	35.35		35.3
Avg.	35.8		35.8

Table 28.--Salinities (‰), by station, spring season, central outer shelf
Continued

Depth (m.)	Station 53 Cruise 2	Station 53 Cruise 6	Station 53 Avg.	Station 54 Cruise 2	Station 54 Cruise 6	Station 54 Avg.
0	36.35		36.3	34.25		34.3
10	36.35		36.3	35.93		35.9
20	36.34		36.3	36.15		36.1
30	36.38		36.4			
50	36.43		36.4			
75	36.41		36.4			
Avg.	36.4		36.4	35.4		35.4
100	36.36		36.4			
150	35.95		35.9			
200						
Avg.	36.2		36.2			

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 29.--Salinities (‰), by station, spring season, central offshore

Station 27

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.15		36.1
10	36.13		36.1
20	36.13		36.1
30	36.13		36.1
50	36.40		36.4
75	36.62		36.6
Avg.	36.3		36.3
100	36.68		36.7
150	36.58		36.6
200	36.32		36.3
250	36.04		36.0
300			
Avg.	36.4		36.4
400			
500			
600			
800			
1000			
Avg.			

Station 28

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.21		36.2
10	36.20		36.2
20	36.20		36.2
30	36.20		36.2
50	36.37		36.4
75	36.61		36.6
Avg.	36.3		36.3
100	36.62		36.6
150	36.67		36.7
200	36.66		36.7
250	36.62		36.6
300	36.54		36.5
Avg.	36.6		36.6
400	36.28		36.3
500	35.91		35.9
600			
800			
1000			
Avg.	36.1		36.1

Station 29

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.21		36.2
10	36.19		36.2
20	36.20		36.2
30	36.21		36.2
50	36.38		36.4
75	36.56		36.6
Avg.	36.3		36.3
100	36.63		36.6
150	36.74		36.7
200	36.72		36.7
250	36.64		36.6
300	36.50		36.5
Avg.	36.6		36.6
400	36.02		36.0
500	35.30		35.3
600			
800			
1000			
Avg.	35.7		35.7

Station 30

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.26		36.3
10	36.27		36.3
20	36.30		36.3
30	36.37		36.4
50	36.60		36.6
75	36.71		36.7
Avg.	36.4		36.4
100	36.57		36.6
150	36.37		36.4
200	36.22		36.2
250	35.95		35.9
300	35.64		35.6
Avg.	36.1		36.1

Table 29.--Salinities (‰), by station, spring season, central offshore--Continued

Station 39

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.36		36.4
10	36.36		36.4
20	36.36		36.4
30	36.35		36.3
50	36.26		36.3
75	36.02		36.0
Avg.	36.3		36.3
100	35.84		35.8
150	35.69		35.7
200	35.41		35.4
250			
300			
Avg.	35.6		35.6
400			
500			
600			
800			
1000			
Avg.			

Station 40

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.13		36.1
10	36.13		36.1
20	36.13		36.1
30	36.13		36.1
50	36.19		36.2
75	36.34		36.3
Avg.	36.2		36.2
100	36.48		36.5
150	36.60		36.6
200	36.59		36.6
250	36.53		36.5
300	36.47		36.5
Avg.	36.5		36.5
400	36.11		36.1
500			
600			
800			
1000			
Avg.	36.1		36.1

Station 41

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.18		36.2
10	36.17		36.2
20	36.13		36.1
30	36.11		36.1
50	36.24		36.2
75	36.45		36.5
Avg.	36.2		36.2
100	36.67		36.7
150	36.59		36.6
200	36.10		36.1
250			
300			
Avg.	36.5		36.5
400			
500			
600			
800			
1000			
Avg.			

Station 49

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.11		36.1
10	36.15		36.1
20	36.19		36.2
30	36.24		36.2
50	36.22		36.2
75	36.06		36.1
Avg.	36.2		36.2
100	35.91		35.9
150	35.59		35.6
200	35.21		35.2
250	34.97		35.0
300			
Avg.	35.4		35.4
400			
500			
600			
800			
1000			
Avg.			

Table 30.--Salinities (‰), by station, spring season, northern inner shelf

Station 57

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	33.66		33.7
10	33.75		33.7
20			
Avg.	33.7		33.7

Station 58

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	33.76		33.8
10	35.29		35.3
20			
Avg.	34.5		34.5

Station 67

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	34.22		34.2
10	35.71		35.7
20			
Avg.	35.0		35.0

Station 68

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	34.76		34.8
10	34.76		34.8
20			
Avg.	34.8		34.8

Station 69

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	34.60		34.6
10	34.63		34.6
20			
Avg.	34.6		34.6

Station 76

Depth (m.)	Cruise 2	Cruise 6	Avg.

Station 77

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	35.62		35.6
10	35.62		35.6
20			
Avg.	35.6		35.6

Station

Depth (m.)	Cruise	Avg.

Station

Depth (m.)	Cruise	Avg.

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.

Table 31.-- Salinities (‰), by station, spring season, northern outer shelf

Station 59

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	35.10		35.1
10	35.32		35.3
20			
30			
50			
75			
Avg.	35.2		35.2
100			
150			
200			
Avg.			

Station 60

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	35.65		35.7
10	35.80		35.8
20	36.15		36.1
30	36.24		36.2
50	36.34		36.3
75	36.31		36.3
Avg.	36.1		36.1
100	36.11		36.1
150	35.84		35.8
200	35.64		35.6
Avg.	35.9		35.9

Station 65

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	35.59		35.6
10	35.64		35.6
20	36.08		36.1
30	36.42		36.4
50			
75			
Avg.	35.9		35.9
100			
150			
200			
Avg.			

Station 66

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	34.36		34.4
10	34.85		34.9
20	36.19		36.2
30			
50			
75			
Avg.	35.1		35.1
100			
150			
200			
Avg.			

Station 70

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	34.60		34.6
10	34.61		34.6
20	35.68		35.7
30			
50			
75			
Avg.	35.0		35.0
100			
150			
200			
Avg.			

Station 71

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.36		36.4
10	36.33		36.3
20	36.36		36.4
30	36.36		36.4
50	36.36		36.4
75	36.38		36.4
Avg.	36.4		36.4
100	36.42		36.4
150			
200			
Avg.	36.4		36.4

Table 31.--Salinities (‰), by station, spring season, northern outer shelf--Continued

Depth (m.)	Station 75 Cruise 2	6	Avg.	Station 78 Cruise 2	6	Avg.
0	35.64		35.6	35.07		35.1
10	35.61		35.6	35.07		35.1
20	35.61		35.6	35.12		35.1
30	36.02		36.0			
50						
75						
Avg.	35.7		35.7	35.1		35.1
100						
150						
200						
Avg.						

Depth (m.)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m.)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 32.--Salinities (‰), by station, spring season, northern offshore

Station 61

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.20		36.2
10	36.18		36.2
20	36.18		36.2
30	36.14		36.1
50	35.99		36.0
75	35.66		35.7
Avg.	36.1		36.1
100	35.39		35.4
150	35.21		35.2
200	35.15		35.1
250	35.07		35.1
300	35.01		35.0
Avg.	35.2		35.2
400	34.99		35.0
500			
600			
800			
1000			
Avg.	35.0		35.0

Station 62

	Cruise 2	Cruise 6	Avg.
0	36.24		36.2
10	36.27		36.3
20	36.29		36.3
30	36.32		36.3
50	36.43		36.4
75	36.44		36.4
Avg.	36.3		36.3
100	36.43		36.4
150	36.58		36.6
200	36.39		36.4
250	36.29		36.3
300	36.20		36.2
Avg.	36.4		36.4
400	36.14		36.1
500			
600			
800			
1000			
Avg.	36.1		36.1

Station 63

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.36		36.4
10	36.38		36.4
20	36.36		36.4
30	36.35		36.3
50	36.37		36.4
75	36.40		36.4
Avg.	36.4		36.4
100	36.04		36.0
150	35.80		35.8
200			
250			
300			
Avg.	35.9		35.9
400			
500			
600			
800			
1000			
Avg.			

Station 64

	Cruise 2	Cruise 6	Avg.
0	36.24		36.2
10	36.24		36.2
20	36.40		36.4
30	36.40		36.4
50	36.40		36.4
Avg.	36.3		36.3

Table 32.--Salinities (‰), by station, spring season, northern offshore--Continued

Station 72

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.29		36.3
10	36.32		36.3
20	36.35		36.3
30	36.43		36.4
50	36.46		36.5
75	36.46		36.5
Avg.	36.4		36.4
100	36.43		36.4
150	36.06		36.1
200	35.84		35.8
250	35.73		35.7
300	35.62		35.6
Avg.	35.9		35.9
400	35.14		35.1
500			
600			
800			
1000			
Avg.	35.1		35.1

Station 73

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.11		36.1
10	36.10		36.1
20	36.11		36.1
30	36.16		36.2
50	36.27		36.3
75	36.43		36.4
Avg.	36.2		36.2
100	36.54		36.5
150	36.65		36.7
200	36.65		36.7
250	36.56		36.6
300	36.46		36.5
Avg.	36.6		36.6
400	36.18		36.2
Avg.	36.2		36.2

Station 74

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.15		36.1
10	36.13		36.1
20	36.10		36.1
30	36.16		36.2
50	36.28		36.3
75	36.44		36.4
Avg.	36.2		36.2
100	36.54		36.5
150	36.53		36.5
200	36.50		36.5
250	36.37		36.4
300	36.08		36.1
Avg.	36.4		36.4
400	35.52		35.5
500	35.16		35.2
600	35.08		35.1
800	34.99		35.0
1000	34.97		35.0
Avg.	35.1		35.1

Station 79

Depth (m.)	Cruise 2	Cruise 6	Avg.
0	36.27		36.3
10	36.27		36.3
20	36.16		36.2
30	36.27		36.3
50	36.35		36.3
75	36.49		36.5
Avg.	36.3		36.3
100	36.49		36.5
150	36.40		36.4
200	36.11		36.1
250	35.76		35.8
300	35.45		35.5
Avg.	36.0		36.0

Table 32.--Salinities (‰), by station, spring season, northern offshore--Continued

Depth (m.)	Station 80 Cruise 2	Station 80 Cruise 6	Station 80 Avg.	Station Cruise	Station Avg.
0	36.17		36.2		
10	36.15		36.1		
20	36.18		36.2		
30	36.19		36.2		
50	36.23		36.2		
75	36.33		36.3		
Avg.	36.2		36.2		
100	36.41		36.4		
150	36.52		36.5		
200	36.55		36.5		
250	36.54		36.5		
300	36.50		36.5		
Avg.	36.5		36.5		
400	36.32		36.3		
500	36.01		36.0		
600	35.61		35.6		
800	35.07		35.1		
1000	35.02		35.0		
Avg.	35.6		35.6		

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Table 33.--Salinities (‰), by station, summer season, southern inner shelf

Station 3

Depth (m.)	Cruise 3	7	8	Avg.
0	35.73	33.97	34.98	34.9
10	35.75	35.29	35.40	35.5
20				
Avg.	35.7	34.6	35.2	35.2

Station 4

Depth (m.)	Cruise 3	7	8	Avg.
0	36.00	36.03	35.94	36.0
10	36.00	35.75	35.94	35.9
20			35.94	35.9
Avg.	36.0	35.9	35.9	35.9

Station 11

Depth (m.)	Cruise 3	7	8	Avg.
0	36.13	36.07	36.15	36.1
10			36.17	36.2
20				
Avg.	36.1	36.1	36.2	36.1

Station 12

Depth (m.)	Cruise 3	7	8	Avg.
0	35.93	36.07	35.91	36.0
10	35.97	36.06	35.97	36.0
20				
Avg.	35.9	36.1	35.9	36.0

Station 13

Depth (m.)	Cruise 3	7	8	Avg.
0	35.97	36.06	36.26	36.1
10	36.01	36.00	36.21	36.1
20				
Avg.	36.0	36.0	36.2	36.1

Station 21

Depth (m.)	Cruise 3	7	8	Avg.
0	35.73	35.46	36.27	35.8
10	35.91	35.54	36.27	35.9
20				
Avg.	35.8	35.5	36.3	35.9

Station 22

Depth (m.)	Cruise 3	7	8	Avg.
0	35.61	35.52	36.15	35.8
10	35.86	35.53	36.18	35.9
20				
Avg.	35.7	35.5	36.2	35.8

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 34.--Salinities (‰), by station, summer season, southern outer shelf

Station 5

Depth (m.)	Cruise 3	7	8	Avg.
0	35.99	35.54	35.98	35.8
10	36.25	35.98	36.04	36.1
20	36.25	36.36	35.97	36.2
30	36.22			36.2
50				
75				
Avg.	36.2	36.0	36.0	36.1
100				
150				
200				
Avg.				

Station 10

Depth (m.)	Cruise 3	7	8	Avg.
0	36.09	35.86	35.93	36.0
10	36.12	36.08	35.97	36.1
20	36.11	36.19	35.99	36.1
30				
50				
75				
Avg.	36.1	36.0	36.0	36.0
100				
150				
200				
Avg.				

Station 14

Depth (m.)	Cruise 3	7	8	Avg.
0	36.04	36.11	36.02	36.1
10	36.02	36.15	35.99	36.1
20	36.08	36.12	35.95	36.1
30	36.22	36.11	35.98	36.1
50	36.35	36.11	36.09	36.2
75				
Avg.	36.1	36.1	36.0	36.1
100				
150				
200				
Avg.				

Station 19

Depth (m.)	Cruise 3	7	8	Avg.
0	36.02	36.11	35.86	36.0
10	36.02	36.13	35.95	36.0
20	36.02	36.11	36.03	36.1
30	36.26	36.11	36.03	36.1
50				
75				
Avg.	36.1	36.1	36.0	36.1
100				
150				
200				
Avg.				

Station 20

Depth (m.)	Cruise 3	7	8	Avg.
0	36.00	35.91	36.31	36.1
10	36.02	35.93	36.29	36.1
20	36.02	35.96	36.29	36.1
30				
50				
75				
Avg.	36.0	35.9	36.3	36.1
100				
150				
200				
Avg.				

Station

Cruise	Avg.

Table 35.--Salinities (‰), by station, summer season, southern offshore

Station 1

Depth (m.)	Cruise 3	7	8	Avg.
0	35.97	36.02	36.30	36.1
10	35.93	36.08	36.27	36.1
20	35.95	36.03	36.27	36.1
30	35.96	36.02	36.27	36.1
50	35.98	36.00	36.30	36.1
75	36.19	36.32	36.44	36.3
Avg.	36.0	36.1	36.3	36.1
100	36.36	36.55	36.54	36.5
150	36.61	36.78	36.66	36.7
200	36.63	36.63	36.69	36.7
250	36.53	36.59	36.63	36.6
300	36.45	36.47	36.54	36.5
Avg.	36.5	36.6	36.6	36.6
400	36.21	36.01	36.25	36.2
500		35.68		35.7
600				
800				
1000				
Avg.	36.2	35.8	36.3	36.0

Station 2

Cruise 3	7	8	Avg.
35.88	35.66	36.09	35.9
35.88	35.89	36.09	36.0
35.88	36.13	36.06	36.0
35.90	36.22	36.09	36.1
35.97	36.34	36.15	36.2
36.23	36.36	36.22	36.3
36.0	36.1	36.1	36.1
36.44	36.38	36.35	36.4
36.59	36.43	36.76	36.6
36.32	36.25	36.66	36.4
35.85	35.94	36.37	36.1
	35.63	36.10	35.9
36.3	36.1	36.4	36.3
	35.04	35.64	35.3
		35.08	35.1
	35.0	35.4	35.3

Station 6

Depth (m.)	Cruise 3	7	8	Avg.
0	35.84	35.93	36.13	36.0
10	35.84	36.08	36.13	36.0
20	35.87	36.12	36.13	36.0
30	35.89	36.17	36.14	36.1
50	35.98	36.26	36.22	36.2
75	36.13	36.37	36.35	36.3
Avg.	35.9	36.2	36.2	36.1
100	36.32	36.46	36.48	36.4
150	36.64	36.56	36.76	36.7
200	36.43	36.30	36.31	36.3
250	36.07	36.14	35.91	36.0
300	35.61	35.92	35.57	35.7
Avg.	36.2	36.3	36.2	36.2
400				
500				
600				
800				
1000				
Avg.				

Station 7

Cruise 3	7	8	Avg.
35.97	35.85	36.16	36.0
35.99	35.82	36.19	36.0
35.97	35.96	36.14	36.0
35.98	35.96	36.18	36.0
36.00	36.02	36.26	36.1
36.21	36.37	36.38	36.3
36.0	36.0	36.2	36.1
36.42	36.58	36.50	36.5
36.64	36.70	36.73	36.7
36.64	36.69	36.69	36.7
36.51	36.58	36.59	36.6
36.44	36.45	36.45	36.4
36.5	36.6	36.6	36.6
36.27	36.11	36.07	36.1
35.66		35.77	35.7
36.0	36.1	35.9	36.0

Table 35.--Salinities (‰), by station, summer season, southern offshore--Continued

Station 8

Depth (m.)	Cruise 3	7	8	Avg.
0	35.94	35.82	36.18	36.0
10	35.95	35.79	36.22	36.0
20	35.96	35.82	36.20	36.0
30	35.99	35.88	36.18	36.0
50	36.03	36.02	36.19	36.1
75	36.05	36.29	36.27	36.2
Avg.	36.0	35.9	36.2	36.0
100	36.13	36.50	36.39	36.3
150	36.59	36.73	36.64	36.7
200	36.66	36.71	36.64	36.7
250	36.59	36.60	36.63	36.6
300	36.36	36.51	36.54	36.5
Avg.	36.5	36.6	36.6	36.5
400	35.97	36.25	36.18	36.1
500	35.57	35.58	35.73	35.6
600	35.21	35.16		35.2
800				
1000				
Avg.	35.6	35.7	36.0	35.7

Station 9

Depth (m.)	Cruise 3	7	8	Avg.
0	35.93	35.99	36.02	36.0
10	35.91	35.98	36.01	36.0
20	35.91	35.95	36.07	36.0
30	35.91	35.97	36.11	36.0
50	35.92	36.11	36.18	36.1
75	36.07	36.35	36.26	36.2
Avg.	35.9	36.1	36.1	36.0
100	36.37	36.45	36.38	36.4
150	36.14	36.59	36.55	36.4
200		36.55	36.26	36.4
250		36.28	35.82	36.1
300		35.80	35.52	35.7
Avg.	36.3	36.3	36.1	36.2

Station 15

Depth (m.)	Cruise 3	7	8	Avg.
0	35.84	35.70	35.98	35.8
10	35.88	35.70	35.99	35.9
20	35.91	35.71	36.02	35.9
30	35.95	35.76	36.06	35.9
50	35.99	35.95	36.14	36.0
75	36.01	36.25	36.24	36.2
Avg.	35.9	35.8	36.1	35.9
100	36.11	36.54	36.36	36.3
150	36.51	36.72	36.58	36.6
200	36.60	36.63	36.21	36.5
250	36.33	36.41	36.06	36.3
300	35.81	35.98	35.76	35.9
Avg.	36.3	36.5	36.2	36.3
400	35.32	35.32		35.3
500		34.99		35.0
600				
800				
1000				
Avg.	35.3	35.2	35.3	35.2

Station 16

Depth (m.)	Cruise 3	7	8	Avg.
0	35.95	36.27	36.13	36.1
10	35.93	36.13	36.15	36.1
20	35.94	36.09	36.18	36.1
30	35.95	36.09	36.20	36.1
50	35.99	36.09	36.22	36.1
75	36.08	36.39	36.36	36.3
Avg.	36.0	36.2	36.2	36.1
100	36.18	36.60	36.47	36.4
150	36.51	36.74	36.63	36.6
200	36.65	36.77	36.60	36.7
250	36.53	36.66	36.60	36.6
300	36.40	36.56	36.58	36.5
Avg.	36.5	36.7	36.6	36.6
400	36.15	36.36	36.44	36.3
500	35.81	35.84	36.08	35.9
600	35.26	35.44	35.63	35.4
800	34.95			34.9
1000				
Avg.	35.5	35.9	36.1	35.8

Table 35.--Salinities (‰), by station, summer season, southern offshore--Continued

Depth (m.)	Station 17 Cruise 3	7	8	Avg.	Station 18 Cruise 3	7	8	Avg.
0	35.93	35.96	36.21	36.0	35.91	35.95	36.07	36.0
10	35.89	35.96	36.14	36.0	35.90	35.95	36.06	36.0
20	35.87	36.07	36.18	36.0	35.91	36.00	36.05	36.0
30	35.94	36.07	36.18	36.1	35.95	36.00	36.07	36.0
50	36.02	36.08	36.22	36.1	36.04	36.09	36.11	36.1
75	36.04	36.17	36.41	36.2	36.17	36.27	36.19	36.2
Avg.	35.9	36.1	36.2	36.1	36.0	36.0	36.1	36.0
100	36.17	36.30	36.56	36.3	36.32	36.43	36.33	36.4
150	36.55	36.67	36.64	36.6	36.34	36.44	36.45	36.4
200	36.60	36.76	36.67	36.7	35.80	36.24	36.06	36.0
250	36.50	36.68	36.66	36.6		35.93	35.49	35.7
300	36.39	36.52	36.57	36.5		35.59	35.28	35.4
Avg.	36.4	36.6	36.6	36.5	36.2	36.1	35.9	36.1
400	36.22	36.00	36.17	36.1			35.13	35.1
500	35.60	35.73	35.61	35.6				
600	35.17	35.47	35.22	35.3				
800								
1000								
Avg.	35.7	35.7	35.7	35.7			35.1	35.1

Depth (m.)	Station Cruise			Avg.	Station Cruise			Avg.
0								
10								
20								
30								
50								
75								
Avg.								
100								
150								
200								
250								
300								
Avg.								
400								
500								
600								
800								
1000								
Avg.								

Table 36.--Salinities (‰), by station, summer season, central inner shelf

Station 23

Depth (m.)	Cruise 3	7	8	Avg.
0	35.48	35.11	35.86	35.5
10	35.75	35.21	35.85	35.6
20				
Avg.	35.6	35.2	35.9	35.5

Station 34

	Cruise 3	7	8	Avg.
0	35.44	34.78	35.71	35.3
10	35.43	34.78	35.75	35.3
20				
Avg.	35.4	34.8	35.7	35.3

Station 35

Depth (m.)	Cruise 3	7	8	Avg.
0	35.26	34.52	36.04	35.3
10	35.63	34.61	36.05	35.4
20				
Avg.	35.4	34.6	36.0	35.4

Station 36

	Cruise 3	7	8	Avg.
0	34.87	34.20	36.06	35.0
10	35.16	34.42	35.92	35.2
20				
Avg.	35.0	34.3	36.0	35.1

Station 44

Depth (m.)	Cruise 3	7	8	Avg.
0	34.97	35.64	36.08	35.6
10	34.96	35.39	36.07	35.5
20				
Avg.	35.0	35.5	36.1	35.5

Station 45

	Cruise 3	7	8	Avg.
0	35.01	34.20	36.16	35.1
10	35.16	35.17		35.2
20				
Avg.	35.1	34.7	36.2	35.1

Station 46

Depth (m.)	Cruise 3	7	8	Avg.
0	35.05		35.89	35.5
10				
20				
Avg.	35.1		35.9	35.5

Station 55

	Cruise 3	7	8	Avg.
0	35.33	35.52	36.03	35.6
10	35.48	35.57	36.05	35.7
20				
Avg.	35.4	35.5	36.0	35.7

Station 56

Depth (m.)	Cruise 3	7	8	Avg.
0	34.74		35.51	35.1
10				
20				
Avg.	34.7		35.5	35.1

Station

	Cruise			Avg.

Table 37.--Salinities (‰), by station, summer season, central outer shelf

Station 24

Depth (m.)	Cruise 3	7	8	Avg.
0	35.89	35.52	36.47	36.0
10	35.86	35.55	36.48	36.0
20	35.91			35.9
30				
50				
75				
Avg.	35.9	35.5	36.5	36.0
100				
150				
200				
Avg.				

Station 25

Depth (m.)	Cruise 3	7	8	Avg.
0	35.91	36.02	36.47	36.1
10	35.90	36.05	36.47	36.1
20	36.06	36.06	36.44	36.2
30				
50				
75				
Avg.	36.0	36.0	36.5	36.2
100				
150				
200				
Avg.				

Station 26

Depth (m.)	Cruise 3	7	8	Avg.
0	35.95	35.99	35.61	35.9
10	35.95	35.92	35.93	35.9
20	36.00	36.03	35.95	36.0
30	36.03	36.14	36.06	36.1
50	36.07	36.32	36.22	36.2
75	36.06	36.47	36.24	36.3
Avg.	36.0	36.1	36.0	36.1
100	36.04	36.06	36.26	36.1
150				
200				
Avg.	36.0	36.1	36.3	36.1

Station 31

Depth (m.)	Cruise 3	7	8	Avg.
0	35.95	36.04	35.68	35.9
10	35.90	35.97	35.90	35.9
20	35.99	36.02	36.18	36.1
30	36.08	36.07	36.20	36.1
50		36.18		36.2
75				
Avg.	36.0	36.1	36.0	36.0

Station 32

Depth (m.)	Cruise 3	7	8	Avg.
0	35.61	35.79	36.13	35.8
10	35.61	35.68	36.11	35.8
20	35.80	35.93	36.14	36.0
30	35.79	36.04	36.14	36.0
50				
75				
Avg.	35.7	35.9	36.1	35.9
100				
150				
200				
Avg.				

Station 33

Depth (m.)	Cruise 3	7	8	Avg.
0	35.91	35.02	36.25	35.7
10	35.91	35.10	36.24	35.7
20				
30				
50				
75				
Avg.	35.9	35.1	36.2	35.7

Table 37.--Salinities (‰), by station, summer season, central outer shelf--Continued

Station 37

Depth (m.)	Cruise 3	7	8	Avg.
0	35.68	35.40	36.20	35.8
10	35.64	35.57	36.20	35.8
20	35.77	35.73	36.19	35.9
30				
50				
75				
Avg.	35.7	35.6	36.2	35.8
100				
150				
200				
Avg.				

Station 38

Depth (m.)	Cruise 3	7	8	Avg.
0	35.86	36.17	36.13	36.1
10	35.86	36.08	36.10	36.0
20	36.10	36.08	36.08	36.1
30	36.20	36.18	36.09	36.2
50				
75				
Avg.	36.0	36.1	36.1	36.1
100				
150				
200				
Avg.				

Station 42

Depth (m.)	Cruise 3	7	8	Avg.
0	36.02	36.02		36.0
10	36.02	36.04		36.0
20	36.17	36.04		36.1
30	36.20	36.25		36.2
50	36.20	36.47		36.3
75	35.99	36.40		36.2
Avg.	36.1	36.2		36.1
100	35.75	35.94		35.8
150				
200				
Avg.	35.7	35.9		35.8

Station 43

Depth (m.)	Cruise 3	7	8	Avg.
0	35.10	36.10	36.02	35.7
10	35.35	36.11	36.01	35.8
20	35.84	36.13	36.03	36.0
30				
50				
75				
Avg.	35.4	36.1	36.0	35.9
100				
150				
200				
Avg.				

Station 47

Depth (m.)	Cruise 3	7	8	Avg.
0	35.73		36.15	35.9
10	35.39	36.03	36.16	35.9
20	35.37	35.90	36.13	35.8
30				
50				
75				
Avg.	35.5	36.0	36.1	35.9
100				
150				
200				
Avg.				

Station 48

Depth (m.)	Cruise 3	7	8	Avg.
0	36.04	36.58	36.05	36.2
10	36.02	36.08	36.04	36.0
20	36.04	36.16	36.06	36.1
30	36.11	36.31	36.15	36.2
50	36.17	36.44	36.18	36.3
75	36.04	36.10	35.78	36.0
Avg.	36.1	36.3	36.0	36.1
100	35.86	35.86	35.45	35.7
150	35.39	35.71	34.97	35.4
200		36.62	34.95	35.8
Avg.	35.6	35.7	35.1	35.6

Table 37.--Salinities (‰), by station, summer season, central outer shelf--Continued

Depth (m.)	Station 53 Cruise 3	7	8	Avg.	Station 54 Cruise 3	7	8	Avg.
0	35.43	36.44	36.18	36.0	35.55	35.67	36.23	35.8
10	35.44	36.02	36.15	35.9	35.59	35.68	36.17	35.8
20	35.91	36.14	36.13	36.1	36.15	36.00	36.18	36.1
30	36.09	36.24	36.22	36.2				
50	36.28	36.38	36.31	36.3				
75	36.18	36.28	36.17	36.2				
Avg.	35.9	36.3	36.2	36.1	35.8	35.8	36.2	35.9
100	36.07	36.17	36.00	36.1				
150		35.95	35.55	35.7				
200								
Avg.	36.1	36.1	35.8	35.9				

Depth (m.)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m.)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 38.--Salinities (‰), by station, summer season, central offshore

Station 27

Depth (m.)	Cruise 3	7	8	Avg.
0	35.88	35.89	36.06	35.9
10	35.87	35.91	36.02	35.9
20	35.86	36.01	36.02	36.0
30	35.91	36.05	36.04	36.0
50	35.97	36.15	36.09	36.1
75	36.08	36.31	36.20	36.2
Avg.	35.9	36.1	36.1	36.0
100	36.36	36.43	36.38	36.4
150	36.61	36.58	36.60	36.6
200	36.37	36.52	36.31	36.4
250	36.13	36.29	35.93	36.1
300	35.90	35.92	35.64	35.8
Avg.	36.3	36.3	36.2	36.3
400			35.26	35.3
500			35.08	35.1
600				
800				
1000				
Avg.			35.2	35.2

Station 28

Depth (m.)	Cruise 3	7	8	Avg.
0	35.90	36.01	36.15	36.0
10	35.90	36.09	36.13	36.0
20	35.90	36.07	36.22	36.1
30	35.91	36.06	36.24	36.1
50	35.97	36.11	36.29	36.1
75	36.15	36.27	36.38	36.3
Avg.	36.0	36.1	36.2	36.1
100	36.29	36.46	36.48	36.4
150	36.44	36.57	36.71	36.6
200	36.53	36.49	36.74	36.6
250	36.55	36.40	36.69	36.5
300	36.56	36.31	36.60	36.5
Avg.	36.5	36.4	36.6	36.5
400	36.22	36.08	36.27	36.2
500	35.95	35.82	35.78	35.9
600	35.73		35.39	35.6
800	34.88			34.9
1000				
Avg.	35.7	35.9	35.8	35.8

Station 29

Depth (m.)	Cruise 3	7	8	Avg.
0	35.75	35.78	36.11	35.9
10	35.81	35.77	36.14	35.9
20	35.84	35.77	36.12	35.9
30	35.86	35.77	36.13	35.9
50	35.96	35.93	36.16	36.0
75	36.25	36.23	36.46	36.3
Avg.	35.9	35.9	36.2	36.0
100	36.44	36.57	36.65	36.6
150	36.49	36.69	36.70	36.6
200	36.51	36.64	36.67	36.6
250	36.50	36.61	36.63	36.6
300	36.42	36.29	36.58	36.4
Avg.	36.5	36.6	36.6	36.6
400	36.08		36.45	36.3
500	35.56		36.17	35.9
600	35.10		35.77	35.4
800				
1000				
Avg.	35.6		36.1	35.9

Station 30

Depth (m.)	Cruise 3	7	8	Avg.
0	35.82	36.10	36.04	36.0
10	35.89	36.07	36.05	36.0
20	35.85	36.03	36.06	36.0
30	35.88	36.04	36.06	36.0
50	36.02	36.25	36.11	36.1
75	36.36	36.44	36.23	36.3
Avg.	36.0	36.2	36.1	36.1
100	36.54	36.44	36.35	36.4
150	36.56	36.35	36.29	36.4
200	36.41	36.35	36.24	36.3
250	36.21	36.32	35.99	36.2
300	35.88		35.68	35.8
Avg.	36.3	36.4	36.1	36.3
400	35.39			35.4
500				
600				
800				
1000				
Avg.	35.4			35.4

Table 38.--Salinities (‰), by station, summer season, central offshore--Continued

Station 39

Depth (m.)	Cruise 3	Cruise 7	Cruise 8	Avg.
0	36.04	35.78	36.09	36.0
10	36.06	35.79	36.06	36.0
20	36.06	35.94	36.08	36.0
30	36.06	36.23	36.14	36.1
50	36.05	36.48	36.25	36.3
75	35.87	36.46	36.34	36.2
Avg.	36.0	36.1	36.2	36.1
100	35.71	36.17	36.34	36.1
150	35.39	35.96	36.19	35.8
200	35.11	35.81	35.99	35.6
250	34.99	35.54	35.47	35.3
300	34.94	35.30		35.1
Avg.	35.2	35.8	36.0	35.6
400				
500				
600				
800				
1000				
Avg.				

Station 40

Depth (m.)	Cruise 3	Cruise 7	Cruise 8	Avg.
0	35.95	35.93		35.9
10	35.95	35.88		35.9
20	35.93	35.92		35.9
30	35.96	35.98		36.0
50	36.02	36.02		36.0
75	36.13	36.09		36.1
Avg.	36.0	36.0		36.0
100	36.26	36.36		36.3
150	36.60	36.64		36.6
200	36.58	36.58		36.6
250	36.53	36.44		36.5
300	36.44	36.27		36.4
Avg.	36.5	36.5		36.5
400	36.14	35.87		36.0
500	35.86			35.9
600				
800				
1000				
Avg.	36.0	35.9		36.0

Station 41

Depth (m.)	Cruise 3	Cruise 7	Cruise 8	Avg.
0	35.93	35.96		35.9
10	35.90	35.87		35.9
20	35.93	35.96		35.9
30	35.97	36.11		36.0
50	36.00	36.20		36.1
75	36.28	36.20		36.2
Avg.	36.0	36.1		36.0
100	36.56	36.23		36.4
150	36.24	35.94		36.1
200	35.94	35.62		35.8
250	35.55	35.42		35.5
300	35.21	35.24		35.2
Avg.	35.9	35.7		35.8
400				
500				
600				
800				
1000				
Avg.				

Station 49

Depth (m.)	Cruise 3	Cruise 7	Cruise 8	Avg.
0	36.06	36.14		36.1
10	36.04	36.22	36.00	36.1
20	36.04	36.44	36.26	36.2
30	36.04	36.30	36.36	36.2
50	36.10	36.08	36.43	36.2
75	36.17	36.08	36.14	36.1
Avg.	36.2	36.2	36.2	36.2
100	36.17	36.08	35.99	36.1
150	35.77	36.08	35.99	35.9
200		35.75		35.7
250		35.50		35.5
300		35.32		35.3
Avg.	36.0	35.7	36.0	35.9

Table 38.--Salinities (‰), by station, summer season, central offshore--Continued

Station 50

Depth (m.)	Cruise 3	7	8	Avg.
0	35.99	36.10	36.09	36.1
10	35.99	36.06	36.09	36.0
20	35.99	35.95	36.05	36.0
30	35.95	35.93	36.02	36.0
50	35.94.	35.97	36.04	36.0
75	36.03	36.29	36.17	36.2
Avg.	36.0	36.1	36.1	36.0
100	36.24	36.27	36.41	36.3
150	36.64	36.05	36.68	36.5
200	36.59	35.83	36.64	36.4
250	36.41	35.64	36.60	36.2
300	36.27	35.43	36.44	36.0
Avg.	36.4	35.8	36.6	36.3
400	36.01		36.02	36.0
500	35.55		35.68	35.6
600				
800				
1000				
Avg.	35.8		35.9	35.8

Station 51

Depth (m.)	Cruise 3	7	8	Avg.
0	36.01	36.06	35.98	36.0
10	36.00	36.04	35.99	36.0
20	35.97	36.10	36.01	36.0
30	35.95	36.18	36.00	36.0
50	35.97	36.21	35.99	36.1
75	36.06	36.13	35.99	36.1
Avg.	36.0	36.1	36.0	36.0
100	36.21	35.95	36.03	36.1
150	36.63	35.65	36.25	36.2
200	36.64	35.40	36.14	36.1
250	36.65	35.23	35.84	35.9
300	36.60	35.15	35.52	35.8
Avg.	36.5	35.5	36.0	36.0
400		35.02	35.15	35.1
500				
600				
800				
1000				
Avg.		35.0	35.1	35.1

Station 52

Depth (m.)	Cruise 3	7	8	Avg.
0	36.04	36.19	36.11	36.1
10	36.04	36.03	36.12	36.1
20	36.11	36.05	36.13	36.1
30	36.18	36.10	36.22	36.2
50	36.19	36.16	36.29	36.2
75		36.13	36.09	36.1
Avg.	36.1	36.1	36.2	36.1
100		36.06	35.91	36.0
150		35.80	35.62	35.7
200		35.59	35.54	35.6
250		35.38	35.39	35.4
300		35.16	35.17	35.2
Avg.		35.6	35.5	35.6
400				
500				
600				
800				
1000				
Avg.				

Station

Depth (m.)	Cruise			Avg.

Table 39.--Salinities (‰), by station, summer season, northern inner shelf

Station 57

Depth (m.)	Cruise 3	7	8	Avg.
0	34.43	35.10	36.12	35.2
10	35.35	35.12	36.06	35.5
20				
Avg.	34.9	35.1	36.1	35.4

Station 58

Depth (m.)	Cruise 3	7	8	Avg.
0	35.62	35.17	35.88	35.6
10	35.61	35.12	35.85	35.5
20				
Avg.	35.6	35.1	35.9	35.5

Station 67

Depth (m.)	Cruise 3	7	8	Avg.
0	35.62	35.57	36.21	35.8
10	35.68	35.41	36.24	35.8
20				
Avg.	35.7	35.5	36.2	35.8

Station 68

Depth (m.)	Cruise 3	7	8	Avg.
0	35.69	35.57	36.24	35.8
10	35.70	35.66	36.26	35.9
20				
Avg.	35.7	35.6	36.3	35.9

Station 69

Depth (m.)	Cruise 3	7	8	Avg.
0	36.06	35.77	36.35	36.1
10	36.04	35.71	36.31	36.0
20				
Avg.	36.1	35.7	36.3	36.0

Station 76

Depth (m.)	Cruise 3	7	8	Avg.
0	35.75	35.37		35.6
10	35.83	35.70		35.8
20				
Avg.	35.8	35.5		35.7

Station 77

Depth (m.)	Cruise 3	7	8	Avg.
0	35.59	35.65	35.23	35.5
10	35.84	35.99	35.22	35.7
20	36.11	36.18	35.66	36.0
Avg.	35.8	35.9	35.4	35.7

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 40.--Salinities (‰), by station, summer season, northern outer shelf

Station 59

Depth (m.)	Cruise 3	7	8	Avg.
0	35.61	35.93	35.91	35.8
10	35.61	35.89	36.11	35.9
20		36.09		36.1
30				
50				
75				
Avg.	35.6	36.0	36.0	35.9
100				
150				
200				
Avg.				

Station 60

Depth (m.)	Cruise 3	7	8	Avg.
0	35.94	36.07	36.08	36.0
10	35.95	36.08	36.11	36.0
20	35.95	36.00	36.13	36.0
30	36.05	36.13	36.24	36.1
50	36.18	36.33	36.35	36.3
75	36.18	36.47	36.17	36.3
Avg.	36.0	36.2	36.2	36.1
100	36.14	36.51	35.99	36.2
150	35.69	36.33	35.64	35.9
200		35.96	35.27	35.6
Avg.	35.9	36.3	35.6	35.9

Station 65

Depth (m.)	Cruise 3	7	8	Avg.
0	36.08	36.14	36.31	36.2
10	36.09	36.15	36.32	36.2
20	36.10	36.09	36.40	36.2
30	36.32	36.28	36.47	36.4
50				
75				
Avg.	36.1	36.2	36.4	36.2
100				
150				
200				
Avg.				

Station 66

Depth (m.)	Cruise 3	7	8	Avg.
0	35.70	36.02	36.48	36.1
10	35.90	35.94	36.45	36.1
20	36.28	36.20		36.2
30				
50				
75				
Avg.	36.0	36.1	36.5	36.1
100				
150				
200				
Avg.				

Station 70

Depth (m.)	Cruise 3	7	8	Avg.
0	35.71	36.65	36.21	36.2
10	35.71	36.58	36.23	36.2
20	35.84	36.61	36.21	36.2
30				
50				
75				
Avg.	35.8	36.6	36.2	36.2
100				
150				
200				
Avg.				

Station 71

Depth (m.)	Cruise 3	7	8	Avg.
0	35.95	36.53	36.18	36.2
10	35.95	36.42	36.24	36.2
20	35.95	36.42	36.28	36.2
30	36.13	36.44	36.30	36.3
50	36.33	36.48	36.30	36.4
75	36.31	36.51	36.23	36.3
Avg.	36.1	36.5	36.3	36.3
100		36.53	36.08	36.3
150				
200				
Avg.		36.5	36.1	36.3

Table 40.--Salinities (‰), by station, summer season, northern outer shelf--Continued

Depth (m.)	Station 75 Cruise 3	7	8	Avg.	Station 78 Cruise 3	7	8	Avg.
0	35.88		36.12	36.0		35.73	35.68	35.7
10	35.90		36.09	36.0		35.94	36.02	36.0
20	36.06		36.18	36.1		36.10	36.02	36.1
30	36.27		36.18	36.2				
50								
75								
Avg.	36.0		36.1	36.1		35.9	35.9	35.9
100								
150								
200								
Avg.								

Depth (m.)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m.)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 41.--Salinities (‰), by station, summer season, northern offshore

Station 61

Depth (m.)	Cruise 3	7	8	Avg.
0	35.68	36.06	36.16	36.0
10	35.69	35.97	36.15	35.9
20	35.87	35.88	36.16	36.0
30	36.09	36.06	36.17	36.1
50	36.21	36.33	36.25	36.3
75	36.20	36.39	36.31	36.3
Avg.	36.0	36.1	36.2	36.1
100	36.07	36.44	36.31	36.3
150	35.57	35.97	35.90	35.8
200	35.43	35.73	35.55	35.6
250	35.29	35.53	35.35	35.4
300		35.37		35.4
Avg.	35.6	35.8	35.8	35.7
400		35.14		35.1
500				
600				
800				
1000				
Avg.		35.1		35.1

Station 62

Depth (m.)	Cruise 3	7	8	Avg.
0	36.02	36.04	36.13	36.1
10	36.03	35.97	36.13	36.0
20	36.07	35.98	36.14	36.1
30	36.06	36.05	36.17	36.1
50	36.06	36.18	36.20	36.1
75	36.11	36.26	36.25	36.2
Avg.	36.1	36.1	36.2	36.1
100	36.29	36.23	36.40	36.3
150	36.64	36.20	36.78	36.5
200	36.57	36.32	36.79	36.6
250	36.25	35.88	36.60	36.2
300	35.75	35.59	36.46	35.9
Avg.	36.3	36.0	36.6	36.3
400		35.33	36.02	35.7
500			35.46	35.5
600			35.26	35.3
800				
1000				
Avg.		35.3	35.6	35.5

Station 63

Depth (m.)	Cruise 3	7	8	Avg.
0	36.04	35.97	36.08	36.0
10	36.04	35.88	36.21	36.0
20	36.04	35.97	36.26	36.1
30	36.06	35.97	36.27	36.1
50	36.18	36.19	36.31	36.2
75	36.36	36.52	36.41	36.4
Avg.	36.1	36.1	36.3	36.2
100	36.53	36.73	36.70	36.7
150	36.47	36.48	36.93	36.6
200	36.11	36.66	36.85	36.5
250	35.85	36.63	36.72	36.4
300	35.65	36.62	36.54	36.3
Avg.	36.1	36.6	36.7	36.5
400		36.33	35.87	36.1
500				
600				
800				
1000				
Avg.		36.3	35.9	36.1

Station 64

Depth (m.)	Cruise 3	7	8	Avg.
0	35.84	36.18	36.20	36.1
10	36.08	36.12	36.22	36.1
20	36.09	36.11	36.22	36.1
30	36.22	36.19	36.22	36.2
50	36.37	36.39	36.26	36.3
75	36.32	36.54	36.37	36.4
Avg.	36.2	36.3	36.2	36.2
100	36.25	36.47	36.50	36.4
150	36.01	36.31	36.32	36.2
200	35.70	36.15	35.94	35.9
250	35.51			35.5
300				
Avg.	35.9	36.3	36.3	36.1

Table 41.--Salinities (‰), by station, summer season, northern offshore--Continued

Station 72

Depth (m.)	Cruise 3	7	8	Avg.
0	36.07	36.26	36.22	36.2
10	36.04	36.11	36.21	36.1
20	36.06	36.17	36.24	36.2
30	36.10	36.19	36.25	36.2
50	36.19	36.29	36.31	36.3
75	36.26	36.58	36.43	36.4
Avg.	36.1	36.3	36.3	36.2
100	36.39	36.68	36.58	36.5
150	36.54	36.45	36.82	36.6
200	36.21	36.28	36.46	36.3
250		36.23	35.91	36.1
300		36.05		36.1
Avg.	36.4	36.3	36.4	36.4
400		35.49		35.5
500		35.17		35.2
600				
800				
1000				
Avg.		35.3		35.3

Station 73

Depth (m.)	Cruise 3	7	8	Avg.
0		35.88	36.17	36.0
10		35.85	36.30	36.1
20		35.93	36.30	36.1
30		35.98	36.29	36.1
50		36.25	36.29	36.3
75		36.48	36.33	36.4
Avg.		36.1	36.3	36.2
100		36.55	36.42	36.5
150		36.58	36.59	36.6
200		36.58	36.58	36.6
250		36.55	36.26	36.4
300		36.49	35.87	36.2
Avg.		36.5	36.3	36.4
400		36.41	35.45	35.9
500		36.05	35.37	35.7
600		35.76		35.8
800		35.42		35.4
1000				
Avg.		35.9	35.4	35.7

Station 74

Depth (m.)	Cruise 3	7	8	Avg.
0		36.09	36.31	36.2
10		36.20	36.35	36.3
20		36.32	36.34	36.3
30		36.38	36.32	36.3
50		36.46	36.37	36.4
75		36.44	36.49	36.5
Avg.		36.3	36.4	36.3
100		36.45	36.36	36.4
150		36.62	36.08	36.3
200		36.56	35.80	36.2
250		36.39	35.64	36.0
300		36.15	35.50	35.8
Avg.		36.4	35.9	36.2
400		35.77	35.22	35.5
500		36.36	35.06	35.2
600		35.11		35.1
800				
1000				
Avg.		35.4	35.1	35.3

Station 79

Depth (m.)	Cruise 3	7	8	Avg.
0		35.86	36.02	35.9
10		35.92	36.05	36.0
20		35.86	36.07	36.0
30		35.88	36.09	36.0
50		36.03	36.09	36.1
75		36.43	36.14	36.3
Avg.		36.0	36.1	36.0
100		36.62	36.28	36.5
150		36.67	36.06	36.4
200		36.62	35.78	36.2
250		36.57	35.64	36.1
300		36.53	35.33	35.9
Avg.		36.6	35.8	36.2
400		35.98		36.0
500		35.37		35.4
600		35.08		35.1
800				
1000				
Avg.		35.5		35.5

Table 41.--Salinities (‰), by station, summer season, northern offshore--Continued

Depth (m.)	Station 80 Cruise 3	7	8	Avg.	Station Cruise			Avg.
0		35.89	36.12	36.0				
10		36.02	36.13	36.1				
20		35.98	36.09	36.0				
30		36.12	36.12	36.1				
50		36.35	36.19	36.3				
75		36.54	36.34	36.4				
Avg.		36.1	36.2	36.2				
100		36.65	36.51	36.6				
150		36.68	36.80	36.7				
200		36.58	36.80	36.7				
250		36.54	36.74	36.6				
300		36.51	36.42	36.5				
Avg.		36.6	36.7	36.6				
400		36.47	35.90	36.2				
500		36.14		36.1				
600		35.74		35.7				
800		35.17		35.2				
1000		35.10		35.1				
Avg.		35.7	35.9	35.8				

Depth (m.)	Station Cruise			Avg.	Station Cruise			Avg.
0								
10								
20								
30								
50								
75								
Avg.								
100								
150								
200								
250								
300								
Avg.								
400								
500								
600								
800								
1000								
Avg.								

Table 42.--Salinities (‰), by station, fall season, southern inner shelf

Station 3

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	32.65	35.89	34.3
10	34.54	35.81	35.2
20			
Avg.	33.6	35.9	34.7

Station 4

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	34.66	36.13	35.4
10	34.65	36.20	35.4
20	34.63	36.28	35.5
Avg.	34.6	36.2	35.4

Station 11

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	30.67	36.15	33.4
10		36.22	36.2
20			
Avg.	30.7	36.2	34.3

Station 12

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	30.21	36.22	33.2
10	31.18	36.21	33.7
20			
Avg.	30.7	36.2	33.5

Station 13

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	31.27	36.00	33.6
10	34.21	36.01	35.1
20			
Avg.	32.7	36.0	34.4

Station 21

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	31.12	35.04	33.1
10	34.31	35.12	34.7
20			
Avg.	32.7	35.1	33.9

Station 22

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	31.71	35.44	33.6
10		35.55	35.5
20			
Avg.	31.7	35.5	34.2

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 43.--Salinities (‰), by station, fall season, southern outer shelf

Station 5

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	34.47	36.16	35.3
10	34.75	36.11	35.4
20	35.26	36.26	35.8
30	35.55	36.30	35.9
50			
75			
Avg.	35.0	36.2	35.6
100			
150			
200			
Avg.			

Station 10

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	33.52	36.24	34.9
10	33.64	36.19	34.9
20	33.89	36.24	35.1
30	34.96	—	35.0
50			
75			
Avg.	34.0	36.2	35.0
100			
150			
200			
Avg.			

Station 14

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	34.47	36.27	35.4
10	34.46	36.24	35.3
20	34.87	36.28	35.6
30	35.08	36.27	35.7
50	35.37	36.26	35.8
75			
Avg.	34.9	36.3	35.6
100			
150			
200			
Avg.			

Station 19

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.58	36.18	35.9
10	35.56	36.22	35.9
20	35.67	36.22	35.9
30	35.77	36.27	36.0
50			
75			
Avg.	35.6	36.2	35.9
100			
150			
200			
Avg.			

Station 20

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.39	36.43	35.9
10	35.39	36.38	35.9
20	35.35	36.30	35.8
30			
50			
75			
Avg.	35.4	36.4	35.9
100			
150			
200			
Avg.			

Station

Depth (m.)	Cruise	Avg.

Table 44.--Salinities (‰), by station, fall season, southern offshore

Station 1

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.93	36.09	36.0
10	35.97	36.13	36.1
20	35.93	36.16	36.0
30	35.92	36.17	36.0
50	35.91	36.18	36.0
75	36.32	36.35	36.3
Avg.	36.0	36.2	36.1
100	36.64	36.50	36.6
150	36.74	36.76	36.7
200	36.64	36.77	36.7
250	36.45	36.58	36.5
300	36.34	36.56	36.5
Avg.	36.6	36.6	36.6
400	35.93	36.21	36.1
500		35.83	35.8
600			
800			
1000			
Avg.	35.9	36.0	36.0

Station 2

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.89	36.15	36.0
10	35.91	36.14	36.0
20	35.89	36.13	36.0
30	35.90	36.15	36.0
50	35.97	36.20	36.1
75	36.29	36.29	36.3
Avg.	36.0	36.2	36.1
100	36.48	36.50	36.5
150	36.50	36.85	36.7
200	36.28	36.55	36.4
250	36.02	36.24	36.1
300	35.76	35.94	35.9
Avg.	36.2	36.4	36.3
400	35.27	35.43	35.3
500			
600			
800			
1000			
Avg.	35.3	35.4	35.3

Station 6

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.91	36.08	36.0
10	35.91	36.17	36.0
20	35.90	36.23	36.1
30	35.91	36.23	36.1
50	36.03	36.22	36.1
75	36.23	36.26	36.2
Avg.	36.0	36.2	36.1
100	36.41	36.38	36.4
150	36.73	36.89	36.8
200	36.52	36.59	36.6
250	36.35	36.42	36.4
300	36.16	36.15	36.2
Avg.	36.4	36.5	36.5
400	35.58	35.69	35.6
500			
600			
800			
1000			
Avg.	35.6	35.7	35.6

Station 7

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.97	36.17	36.1
10	35.99	36.19	36.1
20	35.99	36.21	36.1
30	36.04	36.21	36.1
50	36.15	36.21	36.2
75	36.32	36.32	36.3
Avg.	36.1	36.2	36.1
100	36.47	36.45	36.5
150	36.71	36.78	36.7
200	36.74	36.80	36.8
250	36.58	36.60	36.6
300	36.49	36.40	36.4
Avg.	36.6	36.6	36.6
400	36.10	36.15	36.1
500	35.79		35.8
600			
800			
1000			
Avg.	35.9	36.1	36.0

Table 44.--Salinities (‰), by station, fall season, southern offshore--Continued

Station 8

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.92	36.09	36.0
10	35.90	36.09	36.0
20	35.90	36.09	36.0
30	35.91	36.10	36.0
50	35.92	36.12	36.0
75	36.05	36.31	36.2
Avg.	35.9	36.1	36.0
100	36.28	36.50	36.4
150	36.65	36.79	36.7
200	36.64	36.73	36.7
250	36.50	36.66	36.6
300	36.38	36.54	36.5
Avg.	36.5	36.6	36.6
400	36.01	36.25	36.1
500	35.41	36.02	35.7
600	34.99	35.61	35.3
800			
1000			
Avg.	35.5	36.0	35.7

Station 9

Cruise 4	Cruise 9	Avg.
35.90	36.08	36.0
35.88	36.05	36.0
35.91	36.05	36.0
35.91	36.10	36.0
35.92	36.18	36.1
36.07	36.19	36.1
35.9	36.1	36.0
36.30	36.34	36.3
36.64	36.79	36.7
36.37	36.60	36.5
35.69	36.32	36.0
	35.93	35.9
36.3	36.4	36.3

Station 15

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.89	36.23	36.1
10	35.88	36.20	36.0
20	35.87	36.17	36.0
30	35.87	36.16	36.0
50	35.89	36.16	36.0
75	36.05	36.27	36.2
Avg.	35.9	36.2	36.1
100	36.24	36.46	36.3
150	36.56	36.87	36.7
200	36.51	36.60	36.6
250	36.29	36.42	36.4
300	36.07	36.17	36.1
Avg.	36.3	36.5	36.4
400	35.63	35.56	35.6
500	35.28	35.09	35.2
600	35.07		35.1
800			
1000			
Avg.	35.3	35.3	35.3

Station 16

Cruise 4	Cruise 9	Avg.
36.04	36.17	36.1
36.04	36.12	36.1
36.05	36.11	36.1
36.04	36.20	36.1
36.04	36.35	36.2
36.05	36.40	36.2
36.0	36.2	36.1
36.11	36.49	36.3
36.57	36.79	36.7
36.62	36.72	36.7
36.49	36.66	36.6
36.36	36.60	36.5
36.4	36.7	36.5
36.11	36.47	36.3
35.81	35.91	35.9
35.46	35.86	35.7
35.8	36.1	35.9

Table 44.--Salinities (‰), by station, fall season, southern offshore--Continued

Depth (m.)	Station 17 Cruise 4	Station 17 Cruise 9	Station 17 Avg.	Station 18 Cruise 4	Station 18 Cruise 9	Station 18 Avg.
0		36.16	36.2	35.94	35.92	35.9
10		36.16	36.2	35.92	36.00	36.0
20		36.15	36.1	35.91	36.05	36.0
30		36.15	36.1	35.91	36.08	36.0
50		36.15	36.1	36.00	36.20	36.1
75		36.29	36.3	36.31	36.30	36.3
Avg.		36.2	36.2	36.0	36.1	36.0
100		36.45	36.5	36.49	36.32	36.4
150		36.77	36.8	36.50	36.54	36.5
200		36.71	36.7	36.25	36.07	36.2
250		36.64	36.6	35.98	35.48	35.7
300		36.53	36.5	35.72	35.18	35.5
Avg.		36.6	36.6	36.2	35.9	36.1
400		36.01	36.0	35.33		35.3
500		35.67	35.7			
600		35.11	35.1			
800						
1000						
Avg.		35.6	35.6	35.3		35.3

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Table 45.--Salinities (‰), by station, fall season, central inner shelf

Station 23

Depth (m.)	Cruise 4	Cruise 9	Avg.
0		35.91	35.9
10		35.41	35.4
20			
Avg.		35.7	35.7

Station 34

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	34.34		34.3
10	34.51		34.5
20			
Avg.	34.4		34.4

Station 35

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.11	35.98	35.5
10	35.08	35.96	35.5
20			
Avg.	35.1	36.0	35.5

Station 36

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.13	36.16	36.1
10	36.10	36.09	36.1
20			
Avg.	36.1	36.1	36.1

Station 44

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.06	36.36	36.2
10	36.04	36.35	36.2
20			
Avg.	36.1	36.4	36.2

Station 45

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.17	35.86	36.0
10	36.16	35.89	36.0
20			
Avg.	36.2	35.9	36.0

Station 46

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.80	35.87	35.8
10	35.82	35.91	35.9
20			
Avg.	35.8	35.9	35.9

Station 55

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.03	36.46	36.2
10	36.02	36.45	36.2
20			
Avg.	36.0	36.5	36.2

Station 56

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.79	35.94	35.9
10			
20			
Avg.	35.8	35.9	35.9

Station

Depth (m.)	Cruise	Avg.

Table 46.--Salinities (‰), by station, fall season, central outer shelf

Station 24

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.41	36.48	35.9
10	35.42	36.55	36.0
20	35.39		35.4
30			
50			
75			
Avg.	35.4	36.5	35.9
100			
150			
200			
Avg.			

Station 25

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.94	36.32	36.1
10	35.97	36.29	36.1
20	35.94	36.31	36.1
30			
50			
75			
Avg.	35.9	36.3	36.1
100			
150			
200			
Avg.			

Station 26

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.80	36.10	35.9
10	35.83	36.10	36.0
20	35.82	36.08	35.9
30	35.81	36.09	35.9
50	35.84	36.12	36.0
75	35.96	36.22	36.1
Avg.	35.8	36.1	36.0
100	36.11	36.38	36.2
150	36.13		36.1
200			
Avg.	36.1	36.4	36.2

Station 31

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.13		36.1
10	36.13		36.1
20	36.13		36.1
30	36.14		36.1
50			
75			
Avg.	36.1		36.1
100			
150			
200			
Avg.			

Station 32

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.00		36.0
10	36.03		36.0
20	36.15		36.1
30	36.18		36.2
50			
75			
Avg.	36.1		36.1
100			
150			
200			
Avg.			

Station 33

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.37		35.4
10	35.34		35.3
20			
30			
50			
75			
Avg.	35.4		35.4
100			
150			
200			
Avg.			

Table 46.--Salinities (‰), by station, fall season, central outer shelf--Continued

Station 37

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.22	36.51	36.4
10	36.18	36.48	36.3
20	36.17	36.46	36.3
30			
50			
75			
Avg.	36.2	36.5	36.3
100			
150			
200			
Avg.			

Station 38

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.20	36.27	36.2
10	36.18	36.27	36.2
20	36.21	36.24	36.2
30	36.18	36.20	36.2
50			
75			
Avg.	36.2	36.2	36.2

Station 42

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.17	36.26	36.2
10	36.16	36.18	36.2
20	36.17	36.27	36.2
30	36.16	36.25	36.2
50	36.16	36.22	36.2
75	36.20	36.22	36.2
Avg.	36.2	36.2	36.2
100	36.26	36.22	36.2
150			
200			
Avg.	36.3	36.2	36.2

Station 43

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.18	36.40	36.3
10	36.25	36.32	36.3
20	36.24	36.34	36.3
30	36.22		36.2
50			
75			
Avg.	36.2	36.4	36.3

Station 47

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.32	36.35	36.3
10	36.30	36.37	36.3
20	36.29	36.39	36.3
30			
50			
75			
Avg.	36.3	36.4	36.3
100			
150			
200			
Avg.			

Station 48

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.18	36.36	36.3
10	36.14	36.31	36.2
20	36.15	36.29	36.2
30	36.15	36.29	36.2
50	36.18	36.30	36.2
75	36.33	36.31	36.3
Avg.	36.2	36.3	36.2
100	36.40	36.31	36.4
150	36.33	36.20	36.3
200			
Avg.	36.4	36.3	36.3

Table 46.--Salinities (‰), by station, fall season, central outer shelf--Continued

Depth (m.)	Station 53 Cruise 4	Station 53 Cruise 9	Station 53 Avg.	Station 54 Cruise 4	Station 54 Cruise 9	Station 54 Avg.
0	36.09	36.21	36.1	36.14	36.36	36.3
10	36.09	36.29	36.2	36.14	36.33	36.2
20	36.09	36.22	36.2	36.15	36.31	36.2
30	36.10	36.24	36.2			
50	36.12	36.26	36.2			
75	36.26	36.18	36.2			
Avg.	36.1	36.2	36.2	36.1	36.3	36.2
100	36.51	36.12	36.3			
150	36.49	36.04	36.3			
200						
Avg.	36.5	36.1	36.3			

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m.)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 47.--Salinities (‰), by station, fall season, central offshore

Station 27

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.89	35.96	35.9
10	35.87	35.95	35.9
20	35.89	35.95	35.9
30	35.88	35.95	35.9
50	35.93	35.95	35.9
75	36.13	36.05	36.1
Avg.	35.9	36.0	35.9
100	36.59	36.19	36.4
150	36.62	36.50	36.6
200	36.54	36.69	36.6
250	36.43	36.48	36.5
300	36.25	36.18	36.2
Avg.	36.5	36.4	36.4
400	35.81	35.24	35.5
500	35.41	34.91	35.2
600			
800			
1000			
Avg.	35.6	35.1	35.3

Station 28

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.97	36.00	36.0
10	35.96	36.09	36.0
20	36.00	36.15	36.1
30	36.04	36.17	36.1
50	36.16	36.22	36.2
75	36.42	36.26	36.3
Avg.	36.1	36.1	36.1
100	36.60	36.38	36.5
150	36.70	36.67	36.7
200	36.60	36.66	36.6
250	36.54	36.61	36.6
300	36.48	36.53	36.5
Avg.	36.6	36.6	36.6
400	36.40	36.23	36.3
500	36.18	35.75	36.0
600	35.72	35.37	35.5
800			
1000			
Avg.	36.1	35.8	35.9

Station 29

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.00	35.96	36.0
10	36.02	35.96	36.0
20	36.05	35.97	36.0
30	36.06	35.91	36.0
50	36.12	35.89	36.0
75	36.41	36.15	36.3
Avg.	36.1	36.0	36.0
100	36.68	36.41	36.5
150	36.64	36.62	36.6
200	36.61	36.62	36.6
250	36.55	36.57	36.6
300	36.50	36.45	36.5
Avg.	36.6	36.5	36.6
400	36.33	36.02	36.2
500	36.02	35.59	35.8
600	35.66	35.21	35.4
800			
1000			
Avg.	36.0	35.6	35.8

Station 30

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.15	36.01	36.1
10	36.15	36.00	36.1
20	36.13	36.00	36.1
30	36.14	36.00	36.1
50	36.15	36.00	36.1
75	36.54	35.99	36.3
Avg.	36.2	36.0	36.1
100	36.92	36.19	36.6
150	36.87	36.70	36.8
200	36.73	36.62	36.7
250	36.62	36.41	36.5
300	36.44	36.19	36.3
Avg.	36.7	36.4	36.6
400	35.91	35.35	35.6
500	35.39		35.4
600			
800			
1000			
Avg.	35.7	35.3	35.5

Table 47.--Salinities (‰), by station, fall season, central offshore--Continued

Station 39

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.18	36.18	36.2
10	36.20	36.17	36.2
20	36.20	36.16	36.2
30	36.19	36.15	36.2
50	36.20	36.15	36.2
75	36.33	36.16	36.2
Avg.	36.2	36.2	36.2
100	36.65	36.36	36.5
150	36.60	36.38	36.5
200	36.35	35.78	36.1
250	36.14	35.35	35.7
300	35.95	35.14	35.5
Avg.	36.3	35.8	36.1
400	35.57		35.6
500			
600			
800			
1000			
Avg.	35.6		35.6

Station 40

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.29	36.08	36.2
10	36.28	36.08	36.2
20	36.32	36.08	36.2
30	36.33	36.08	36.2
50	36.38	36.09	36.2
75	36.50	36.16	36.3
Avg.	36.3	36.1	36.2
100	36.65	36.36	36.5
150	36.88	36.69	36.8
200	36.92	36.48	36.7
250	36.92	36.23	36.6
300	36.83	36.02	36.4
Avg.	36.8	36.4	36.6

Station 41

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.26	36.09	36.2
10	36.26	36.10	36.2
20	36.27	36.10	36.2
30	36.26	36.09	36.2
50	36.26	36.23	36.2
75	36.35	36.38	36.4
Avg.	36.3	36.2	36.2
100	36.62	36.47	36.5
150	36.97	36.47	36.7
200	36.73	36.17	36.5
250	36.29	35.53	35.9
300	35.97	35.28	35.6
Avg.	36.5	36.0	36.3
400			
500			
600			
800			
1000			
Avg.			

Station 49

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.13	36.20	36.2
10	36.11	36.24	36.2
20	36.12	36.27	36.2
30	36.13	36.29	36.2
50	36.17	36.30	36.2
75	36.40	36.28	36.3
Avg.	36.2	36.3	36.2
100	36.63	36.26	36.4
150	36.64	36.04	36.3
200	36.28	35.70	36.0
250	36.07	35.46	35.8
300	35.94		35.9
Avg.	36.3	35.9	36.1

Table 47.--Salinities (‰), by station, fall season, central offshore--Continued

Depth (m.)	Station 50 Cruise 4	Station 50 Cruise 9	Station 50 Avg.	Station 51 Cruise 4	Station 51 Cruise 9	Station 51 Avg.
0	36.35	36.09	36.2	36.22	36.23	36.2
10	36.28	36.10	36.2	36.19	36.21	36.2
20	36.31	36.10	36.2	36.22	36.19	36.2
30	36.27	36.10	36.2	36.24	36.18	36.2
50	36.27	36.09	36.2	36.33	36.24	36.3
75	36.59	36.08	36.3	36.54	36.26	36.4
Avg.	36.3	36.1	36.2	36.3	36.2	36.3
100	36.79	36.14	36.5	36.65	36.33	36.5
150	36.85	36.51	36.7	36.64	36.16	36.4
200	36.96	36.54	36.7	36.59	35.65	36.1
250	36.75	35.97	36.4	36.35	35.36	35.9
300	36.47	35.52	36.0	36.14	35.24	35.7
Avg.	36.8	36.1	36.5	36.5	35.7	36.1
400	36.21	35.06	35.6	35.74		35.7
500	36.05		36.1	35.30		35.3
600	35.62		35.6			
800						
1000						
Avg.	36.0	35.1	35.7	35.5		35.5

Depth (m.)	Station 52 Cruise 4	Station 52 Cruise 9	Station 52 Avg.	Station Cruise	Station Avg.
0	36.13	36.29	36.2		
10	36.10	36.29	36.2		
20	36.11	36.28	36.2		
30	36.10	36.27	36.2		
50	36.09	36.26	36.2		
75	36.40	36.23	36.3		
Avg.	36.2	36.3	36.2		
100	36.62	36.20	36.4		
150	36.38	35.68	36.0		
200	36.05	35.19	35.6		
250	35.81	35.15	35.5		
300	35.72	35.16	35.4		
Avg.	36.1	35.5	35.8		
400					
500					
600					
800					
1000					
Avg.					

Table 48.--Salinities (‰), by station, fall season, northern inner shelf

Station 57

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.04	36.53	36.3
10	36.08	36.47	36.3
20			
Avg.	36.1	36.5	36.3

Station 58

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.16	36.35	36.3
10	36.17	36.34	36.3
20			
Avg.	36.2	36.3	36.3

Station 67

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.59	36.43	36.0
10	35.62	36.38	36.0
20			
Avg.	35.6	36.4	36.0

Station 68

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	35.23	36.33	35.8
10	35.23	36.33	35.8
20			
Avg.	35.2	36.3	35.8

Station 69

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	33.60	36.35	35.0
10	34.61	36.35	35.5
20			
Avg.	34.1	36.3	35.2

Station 76

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	32.76		32.8
10	32.75		32.7
20			
Avg.	32.8		32.8

Station 77

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	32.00		32.0
10	32.00		32.0
20			
Avg.	32.0		32.0

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m.)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 49.--Salinities (‰), by station, fall season, northern outer shelf

Station 59

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.26	36.30	36.3
10	36.26	36.27	36.3
20		36.33	36.3
30			
50			
75			
Avg.	36.3	36.3	36.3
100			
150			
200			
Avg.			

Station 60

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.18	36.26	36.2
10	36.17	36.29	36.2
20	36.18	36.26	36.2
30	36.20	36.26	36.2
50	36.26	36.27	36.3
75	36.38	36.32	36.3
Avg.	36.2	36.3	36.3
100	36.50	36.33	36.4
150	36.67	36.27	36.5
200		36.00	36.0
Avg.	36.6	36.2	36.4

Station 65

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.11	36.33	36.2
10	36.09	36.32	36.2
20	36.09	36.33	36.2
30	36.11	36.26	36.2
50			
75			
Avg.	36.1	36.3	36.2
100			
150			
200			
Avg.			

Station 66

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.18	36.43	36.3
10	36.20	36.35	36.3
20	36.18	36.38	36.3
30			
50			
75			
Avg.	36.2	36.4	36.3
100			
150			
200			
Avg.			

Station 70

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	34.70	36.31	35.5
10	34.74	36.30	35.5
20	34.73	36.31	35.5
30			
50			
75			
Avg.	34.7	36.3	35.5
100			
150			
200			
Avg.			

Station 71

Depth (m.)	Cruise 4	Cruise 9	Avg.
0		36.22	36.2
10		36.23	36.2
20		36.26	36.3
30		36.25	36.3
50		36.24	36.2
75		36.23	36.2
Avg.		36.2	36.2
100		36.22	36.2
150			
200			
Avg.		36.2	36.2

Table 49.--Salinities (‰), by station, fall season, northern outer shelf--Continued

Depth (m.)	Station 75 Cruise 4	9	Avg.	Station 78 Cruise 4	9	Avg.
0	36.31		36.3			
10	36.29		36.3			
20	36.27		36.3			
30	36.24		36.2			
50						
75						
Avg.	36.3		36.3			
100						
150						
200						
Avg.						

Depth (m.)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m.)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 50.--Salinities (‰), by station, fall season, northern offshore

Station 61

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.29	36.09	36.2
10	36.27	36.06	36.2
20	36.26	36.05	36.2
30	36.28	36.07	36.2
50	36.36	36.14	36.3
75	36.61	36.41	36.5
Avg.	36.3	36.1	36.2
100	36.78	36.44	36.6
150	36.85	36.38	36.6
200	36.47	35.89	36.2
250	36.28	35.69	36.0
300	36.08	35.42	35.7
Avg.	36.5	36.0	36.2
400	35.63		35.6
500			
600			
800			
1000			
Avg.	35.6		35.6

Station 62

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.27	36.13	36.2
10	36.26	36.17	36.2
20	36.26	36.15	36.2
30	36.27	36.12	36.2
50	36.29	36.11	36.2
75	36.50	36.18	36.3
Avg.	36.3	36.1	36.2
100	36.70	36.34	36.5
150	36.74	36.55	36.6
200	36.76	36.46	36.6
250	36.60	36.34	36.5
300	36.44	36.19	36.3
Avg.	36.6	36.4	36.5
400	36.13	35.84	36.0
500	35.76	35.45	35.6
600	35.45		35.5
800			
1000			
Avg.	35.8	35.6	35.7

Station 63

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.21	36.09	36.1
10	36.18	36.08	36.1
20	36.18	36.09	36.1
30	36.18	36.12	36.1
50	36.18	36.14	36.2
75	36.39	36.15	36.3
Avg.	36.2	36.1	36.2
100	36.55	36.30	36.4
150	36.73	36.46	36.6
200	36.81	36.46	36.6
250	36.74	36.34	36.5
300	36.66	35.90	36.3
Avg.	36.7	36.3	36.5
400	36.47	35.27	35.9
500	36.16		36.2
600	35.71		35.7
800			
1000			
Avg.	36.1	35.3	35.9

Station 64

Depth (m.)	Cruise 4	Cruise 9	Avg.
0	36.25		36.3
10	36.24		36.2
20	36.26		36.3
30	36.26		36.3
50	36.26		36.3
75	36.27		36.3
Avg.	36.3		36.3
100	36.36		36.4
150	36.75		36.7
200	36.56		36.6
250	36.51		36.5
300	36.02		36.0
Avg.	36.4		36.4

Table 50.--Salinities (‰), by station, fall season, northern offshore--Continued

Depth (m.)	Station 72 Cruise 4	Station 72 Cruise 9	Station 72 Avg.	Station 73 Cruise 4	Station 73 Cruise 9	Station 73 Avg.
0		36.24	36.2			
10		36.21	36.2			
20		36.22	36.2			
30		36.23	36.2			
50		36.26	36.3			
75		36.31	36.3			
Avg.		36.2	36.2			
100		36.33	36.3			
150		36.26	36.3			
200		36.27	36.3			
250		36.16	36.2			
300		35.84	35.8			
Avg.		36.2	36.2			
400						
500						
600						
800						
1000						
Avg.						

Depth (m.)	Station 74 Cruise 4	Station 74 Cruise 9	Station 74 Avg.	Station 79 Cruise 4	Station 79 Cruise 9	Station 79 Avg.
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 51.--Salinities (‰), inner shelf, winter season

Southern Inner Shelf

Depth (m.)	Stations 3	4	11	12	13	21	22	Avg.
0	36.2	36.2	35.5	35.0	35.1	33.3	33.7	35.2
10	36.1	36.3	36.2	35.0	35.0	33.4	33.7	35.1
20								
Avg.	36.2	36.3	35.8	35.0	35.0	33.3	33.7	35.1

Central Inner Shelf

Depth (m.)	Stations 23	34	35	36	44	45	46	55	56	Avg.
0	33.7	33.7	33.5	35.2	35.2	33.6	33.9	35.5	34.4	34.3
10	34.1	33.7	34.3	35.2	35.3	34.7	34.2	35.7		34.6
Avg.	33.9	33.7	33.9	35.2	35.3	34.2	34.0	35.6	34.4	34.4

Northern Inner Shelf

Depth (m.)	Stations 57	58	67	68	69	76	77	Avg.
0	35.9	35.2	34.9	36.1	35.4	35.6	34.1	35.2
10	35.9	35.4	35.3	36.1	35.5	36.0	34.5	35.4
20							36.0	36.0
Avg.	35.9	35.3	35.1	36.1	35.5	35.8	34.6	35.3

Table 52.--- Salinities (‰), inner shelf, spring season

Southern Inner Shelf

Depth (m.)	Stations 3	4	11	12	13	21	22	Avg.
0	36.0	36.2	36.1	36.2	35.9	36.0	36.0	36.1
10	36.0	36.1		36.2	36.0	35.9	36.0	36.1
20								
Avg.	36.0	36.1	36.1	36.2	36.0	36.0	36.0	36.1

Central Inner Shelf

Depth (m.)	Stations 23	34	35	36	44	45	46	55	56	Avg.
0	35.6	34.7	34.7	34.6	33.6	33.4	33.9	33.8	33.5	34.2
10	35.6	34.7	34.9	34.7	34.4	34.7		35.7		35.0
Avg.	35.6	34.7	34.8	34.7	34.0	34.1	33.9	34.7	33.5	34.5

Northern Inner Shelf

Depth (m.)	Stations 57	58	67	68	69	76	77	Avg.
0	33.7	33.8	34.2	34.8	34.6		35.6	34.4
10	33.7	35.3	35.7	34.8	34.6		35.6	35.0
20								
Avg.	33.7	34.5	35.0	34.8	34.6		35.6	34.7

Table 53.-- Salinities (‰), inner shelf, summer season

Southern Inner Shelf

Depth (m.)	Stations 3	4	11	12	13	21	22	Avg.
0	34.9	36.0	36.1	36.0	36.1	35.8	35.8	35.8
10	35.5	35.9	36.2	36.0	36.1	35.9	35.9	35.9
20		35.9						35.9
Avg.	35.2	35.9	36.1	36.0	36.1	35.9	35.8	35.8

Central Inner Shelf

Depth (m.)	Stations 23	34	35	36	44	45	46	55	56	Avg.
0	35.5	35.3	35.3	35.0	35.6	35.1	35.5	35.6	35.1	35.3
10	35.6	35.3	35.4	35.2	35.5	35.2		35.7		35.4
Avg.	35.5	35.3	35.4	35.1	35.5	35.1	35.5	35.7	35.1	35.4

Northern Inner Shelf

Depth (m.)	Stations 57	58	67	68	69	76	77	Avg.
0	35.2	35.6	35.8	35.8	36.1	35.6	35.5	35.6
10	35.5	35.5	35.8	35.9	36.0	35.8	35.7	35.7
20							36.0	36.0
Avg.	35.4	35.5	35.8	35.9	36.0	35.7	35.7	35.7

Table 54.--Salinities (‰), inner shelf, fall season

Southern Inner Shelf

Depth (m.)	Stations 3	4	11	12	13	21	22	Avg.
0	34.3	35.4	33.4	33.2	33.6	33.1	33.6	33.8
10	35.2	35.4	36.2	33.7	35.1	34.7	35.5	35.0
20		35.5						35.5
Avg.	34.7	35.4	34.3	33.5	34.4	33.9	34.2	34.4

Central Inner Shelf

Depth (m.)	Stations 23	34	35	36	44	45	46	55	56	Avg.
0	35.9	34.3	35.5	36.1	36.2	36.0	35.8	36.2	35.9	35.9
10	35.4	34.5	35.5	36.1	36.2	36.0	35.9	36.2		35.8
Avg.	35.7	34.4	35.5	36.1	36.2	36.0	35.9	36.2	35.9	35.9

Northern Inner Shelf

Depth (m.)	Stations 57	58	67	68	69	76	77	Avg.
0	36.3	36.3	36.0	35.8	35.0	32.8	32.0	35.3
10	36.3	36.3	36.0	35.8	35.5	32.7	32.0	35.4
20								
Avg.	36.3	36.3	36.0	35.8	35.2	32.8	32.0	35.3

Table 55.--Salinities (‰), outer shelf, winter season

Southern Outer Shelf

Depth (m.)	Stations 5	10	14	19	20	Avg.
0	36.3	36.3	36.2	36.3	35.4	36.1
10	36.3	36.2	36.2	36.3	35.4	36.1
20	36.2	36.2	36.2	36.3	35.6	36.1
30	36.1		36.2	36.3		36.2
50			36.3			36.3
Avg.	36.2	36.2	36.2	36.3	35.5	36.1

Central Outer Shelf

Depth (m.)	Stations 24	25	26	31	32	33	37	38	42	43	47	48	53	54	Avg.
0	35.6	36.2	36.2		36.2	35.8	35.9	36.4	36.2	36.3	36.3	36.3	36.3	36.4	36.1
10	35.7	36.2	36.2		36.2	35.8	35.9	36.3	36.2	36.3	36.3	36.3	36.3	36.3	36.1
20	36.3	36.2	36.2		36.2	36.0	35.9	36.4	36.1	36.2	36.3	36.3	36.3	36.1	36.2
30		36.1	36.2		36.2		36.2	36.2	36.3			36.3	36.3		36.2
50			36.1						36.3			36.2	36.3		36.2
75			35.9						36.2			36.1	36.1		36.1
Avg.	35.8	36.2	36.1		36.2	35.8	35.9	36.3	36.2	36.3	36.3	36.2	36.2	36.2	36.2
100			35.8									36.0	36.1		36.0
150			35.0									35.8	35.8		35.6
200												35.3			35.3
Avg.			35.5									35.8	36.0		35.8

Table 55.--Salinities (‰), outer shelf, winter season--Continued

Northern Outer Shelf

Depth (m.)	Stations								Avg.
	59	60	65	66	70	71	75	78	
0	36.3	36.0	36.3	36.4	36.1	36.2	35.9		36.2
10	36.3	36.0	36.3	36.4	36.2	36.2	35.9		36.2
20	36.3	36.0	36.3	35.9	36.1	36.2	35.8		36.1
30		36.0	36.3			36.1	36.3		36.2
50		36.1				36.3			36.2
75		36.2				36.3			36.3
Avg.	36.3	36.0	36.3	36.2	36.1	36.2	35.9		36.2
100		36.0				36.3			36.2
150									
200									
Avg.		36.0				36.3			36.2

Table 56.--Salinities (‰), outer shelf, spring season

Southern Outer Shelf

Depth (m.)	Stations 5	10	14	19	20	Avg.
0	36.2	36.2	36.3	36.3	36.4	36.2
10	36.2	36.2	36.2	36.3	36.4	36.3
20	36.2	36.2	36.3	36.3	36.3	36.2
30	36.1	36.3	36.3	36.2		36.2
50			36.3			36.3
Avg.	36.2	36.2	36.3	36.3	36.3	36.2

Central Outer Shelf

Depth (m.)	Stations 24	25	26	31	32	33	37	38	42	43	47	48	53	54	Avg.
0	36.1	36.4	36.3	36.4	36.1	35.2	34.6	35.7	34.9		34.6	36.3	36.3	34.3	35.6
10	36.1	36.3	36.3	36.4	36.1	35.4	34.7	35.7	34.8		34.8	36.3	36.3	35.9	35.8
20	36.2	36.2	36.3	36.4	36.2			35.9	35.0	36.1	36.0	36.3	36.3	36.1	36.1
30			36.4	36.4	36.2			36.1	35.6			36.3	36.4		36.2
50			36.3						36.1			36.3	36.4		36.3
75			36.2						36.0			36.3	36.4		36.2
Avg.	36.2	36.3	36.3	36.4	36.2	35.3	34.7	35.9	35.4	36.1	35.1	36.3	36.4	35.4	35.9
100			35.8						35.7			36.2	36.4		36.0
150												35.8	35.9		35.9
200												35.3			35.3
Avg.			35.8						35.7			35.8	36.2		35.9

Table 56.--Salinities (‰), outer shelf, spring season--Continued

Northern Outer Shelf

Depth (m.)	Stations								Avg.
	59	60	65	66	70	71	75	78	
0	35.1	35.7	35.6	34.4	34.6	36.4	35.6	35.1	35.3
10	35.3	35.8	35.6	34.9	34.6	36.3	35.6	35.1	35.4
20		36.1	36.1	36.2	35.7	36.4	35.6	35.1	35.9
30		36.2	36.4			36.4	36.0		36.3
50		36.3				36.4			36.3
75		36.3				36.4			36.3
Avg.	35.2	36.1	35.9	35.1	35.0	36.4	35.7	35.1	35.7
100		36.1				36.4			36.3
150		35.8							35.8
200		35.6							35.6
Avg.		35.9				36.4			36.0

Table 57.--Salinities (‰), outer shelf, summer season

Southern Outer Shelf

Depth (m.)	Stations 5	10	14	19	20	Avg.
0	35.8	36.0	36.1	36.0	36.1	36.0
10	36.1	36.1	36.1	36.0	36.1	36.1
20	36.2	36.1	36.1	36.1	36.1	36.1
30	36.2		36.1	36.1		36.1
50			36.2			36.2
Avg.	36.1	36.0	36.1	36.1	36.1	36.1

Central Outer Shelf

Depth (m.)	Stations 24	25	26	31	32	33	37	38	42	43	47	48	53	54	Avg.
0	36.0	36.1	35.9	35.9	35.8	35.7	35.8	36.1	36.0	35.7	35.9	36.2	36.0	35.8	35.9
10	36.0	36.1	35.9	35.9	35.8	35.7	35.8	36.0	36.0	35.8	35.9	36.0	35.9	35.8	35.9
20	35.9	36.2	36.0	36.1	36.0		35.9	36.1	36.1	36.0	35.8	36.1	36.1	36.1	36.0
30			36.1	36.1	36.0			36.2	36.2			36.2	36.2		36.1
50			36.2	36.2					36.3			36.3	36.3		36.3
75			36.3						36.2			36.0	36.2		36.2
Avg.	36.0	36.2	36.1	36.0	35.9	35.7	35.8	36.1	36.1	35.9	35.9	36.1	36.1	35.9	36.0
100			36.1						35.8			35.7	36.1		35.9
150												35.4	35.7		35.5
200												35.8			35.8
Avg.			36.1						35.8			35.6	35.9		35.8

Table 57.--Salinities (‰), outer shelf, summer season--Continued

Northern Outer Shelf

Depth (m.)	Stations								Avg.
	59	60	65	66	70	71	75	78	
0	35.8	36.0	36.2	36.1	36.2	36.2	36.0	35.7	36.0
10	35.9	36.0	36.2	36.1	36.2	36.2	36.0	36.0	36.1
20	36.1	36.0	36.2	36.2	36.2	36.2	36.1	36.1	36.2
30		36.1	36.4			36.3	36.2		36.3
50		36.3				36.4			36.3
75		36.3				36.3			36.3
Avg.	35.9	36.1	36.2	36.1	36.2	36.3	36.1	35.9	36.1
100		36.2				36.3			36.3
150		35.9							35.9
200		35.6							35.6
Avg.		35.9				36.3			36.0

Table 58.--Salinities (‰), outer shelf, fall season

Southern Outer Shelf

Depth (m.)	Stations 5	10	14	19	20	Avg.
0	35.3	34.9	35.4	35.9	35.9	35.5
10	35.4	34.9	35.3	35.9	35.9	35.5
20	35.8	35.1	35.6	35.9	35.8	35.6
30	35.9	35.0	35.7	36.0		35.7
50			35.8			35.8
Avg.	35.6	35.0	35.6	35.9	35.9	35.6

Central Outer Shelf

Depth (m.)	Stations 24	25	26	31	32	33	37	38	42	43	47	48	53	54	Avg.
0	35.9	36.1	35.9	36.1	36.0	35.4	36.4	36.2	36.2	36.3	36.3	36.3	36.1	36.3	36.1
10	36.0	36.1	36.0	36.1	36.0	35.3	36.3	36.2	36.2	36.3	36.3	36.2	36.2	36.2	36.1
20	35.4	36.1	35.9	36.1	36.1		36.3	36.2	36.2	36.3	36.3	36.2	36.2	36.2	36.2
30			35.9	36.1	36.2			36.2	36.2	36.2		36.2	36.2		36.2
50			36.0						36.2			36.2	36.2		36.1
75			36.1						36.2			36.3	36.2		36.2
Avg.	35.9	36.1	36.0	36.1	36.1	35.4	36.3	36.2	36.2	36.3	36.3	36.2	36.2	36.2	36.2
100			36.2						36.2			36.4	36.3		36.3
150			36.1									36.3	36.3		36.2
200															
Avg.			36.2						36.2			36.3	36.3		36.3

Table 58.--Salinities (‰), outer shelf, fall season--Continued

Northern Outer Shelf

Depth (m.)	Stations								Avg.
	59	60	65	66	70	71	75	78	
0	36.3	36.2	36.2	36.3	35.5	36.2	36.3		36.1
10	36.3	36.2	36.2	36.3	35.5	36.2	36.3		36.1
20	36.3	36.2	36.2	36.3	35.5	36.3	36.3		36.1
30		36.2	36.2			36.3	36.2		36.2
50		36.3				36.2			36.3
75		36.3				36.2			36.3
Avg.	36.3	36.3	36.2	36.3	35.5	36.2	36.3		36.2
100		36.4				36.2			36.3
150		36.5							36.5
200		36.0							36.0
Avg.		36.4				36.2			36.3

Table 59.--Salinities (‰), offshore, winter season

Southern Offshore

Depth (m.)	Stations										
	1	2	6	7	8	9	15	16	17	18	Avg.
0	36.3	36.2	36.2	36.2	36.2		36.1	36.4	36.4	36.2	36.2
10	36.3	36.2	36.2	36.2	36.2		36.1	36.4	36.4	36.1	36.2
20	36.3	36.2	36.2	36.2	36.2		36.1	36.4	36.4	36.1	36.2
30	36.3	36.2	36.2	36.3	36.2		36.2	36.5	36.5	36.1	36.2
50	36.3	36.3	36.2	36.2	36.2		36.3	36.5	36.6	36.2	36.3
75	36.3	36.5	36.4	36.3	36.3		36.4	36.5	36.6	36.3	36.4
Avg.	36.3	36.3	36.2	36.2	36.2		36.2	36.5	36.5	36.2	36.3
100	36.3	36.6	36.4	36.4	36.4		36.5	36.6	36.5	36.5	36.5
150	36.7	36.5	36.5	36.6	36.6		36.7	36.7	36.6	36.5	36.6
200	36.7	36.3	36.3	36.7	36.6		36.6	36.7	36.7	36.3	36.5
250	36.6	36.1	36.0	36.5	36.5		36.5	36.7	36.7	36.0	36.4
300	36.5	35.8	35.8	36.4	36.4		36.4	36.6	36.7	35.6	36.2
Avg.	36.6	36.3	36.2	36.5	36.5		36.6	36.6	36.7	36.2	36.4
400	36.2	35.3	35.5	36.2	36.1		35.8	36.5	36.3	35.1	35.9
500	35.8				35.6		35.3	36.2	36.1		35.8
600					35.2		34.9		35.7		35.2
800											
1000											
Avg.	36.0	35.3	35.5	36.2	35.6		35.4	36.4	36.0	35.1	35.7

Table 59.--Salinities (‰), offshore, winter season--Continued

Central Offshore

Depth (m.)	Stations										Avg.
	27	28	29	30	39	40	41	49	50	51	52	
0		36.4			36.2	36.3	35.9	36.2	36.1	36.3	36.2	36.2
10		36.4			36.2	36.2	36.0	36.2	36.1	36.3	36.2	36.2
20		36.4			36.2	36.2	36.2	36.2	36.1	36.3	36.2	36.2
30		36.4			36.2	36.2	36.2	36.1	36.1	36.3	36.2	36.2
50		36.4			36.3	36.2	36.3	36.1	36.2	36.3	36.1	36.2
75		36.4			36.3	36.4	36.3	36.2	36.3	36.4	36.0	36.3
Avg.		36.4			36.2	36.3	36.2	36.2	36.2	36.3	36.2	36.2
100		36.4			36.3	36.5	36.3	36.2	36.4	36.5	36.0	36.3
150		36.6			36.2	36.5	36.4	36.1	36.5	36.1	35.8	36.3
200		36.7			35.9	36.4	36.2	35.8	36.5	35.8	35.5	36.0
250		36.6			35.6	36.5	36.0	35.6	36.3	35.6	35.3	35.9
300		36.6			35.3	36.4	35.9		36.1	35.3	35.3	35.9
Avg.		36.6			35.9	36.5	36.2	35.9	36.3	35.9	35.6	36.1
400		36.4				35.6	35.3		35.6			35.7
500									35.4			35.4
600												
800												
1000												
Avg.		36.4				35.6	35.3		35.6			35.7

Table 59.--Salinities (‰), offshore, winter season--Continued

Northern Offshore

Depth (m.)	Stations									Avg.
	61	62	63	64	72	73	74	79	80	
0	36.2	36.2	36.3	36.3	36.4		36.4			36.3
10	36.2	36.3	36.2	36.3	36.3		36.3			36.3
20	36.2	36.3	36.2	36.3	36.3		36.3			36.2
30	36.2	36.3	36.3	36.3	36.3		36.3			36.3
50	36.2	36.3	36.4	36.3	36.4		36.3			36.3
75	36.2	36.4	36.3	36.4	36.7		36.3			36.4
Avg.	36.2	36.3	36.3	36.3	36.4		36.3			36.3
100	36.1	36.5	36.3	36.4	36.8		36.3			36.4
150	35.7	36.3	36.0	36.3	36.5		36.2			36.1
200	35.5	36.1	35.6	35.7	36.1					35.8
250	35.3	35.9	35.4		35.9					35.6
300	35.2	35.8	35.3		35.8					35.6
Avg.	35.6	36.1	35.7	36.2	36.2		36.3			36.0
400		35.6	35.1		35.6					35.5
500		35.4	35.1		35.5					35.4
600		35.3	35.1							35.2
800										
1000										
Avg.		35.5	35.1		35.6					35.4

Table 60.--Salinities (‰), offshore, spring season

Southern Offshore

Depth (m.)	Stations										Avg.
	1	2	6	7	8	9	15	16	17	18	
0	36.1	36.2	36.1	36.1	36.0	36.1	36.1	36.1	36.1	36.1	36.1
10	36.0	36.1	36.1	36.1	36.0	36.1	36.1	36.1	36.1	36.1	36.1
20	36.0	36.2	36.0	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1
30	36.0	36.2	36.0	36.0	36.1	36.1	36.1	36.2	36.2	36.2	36.1
50	36.0	36.2	36.1	36.0	36.1	36.1	36.1	36.3	36.3	36.3	36.1
75	36.1	36.2	36.3	36.1	36.2	36.3	36.2	36.4	36.4	36.4	36.3
Avg.	36.0	36.2	36.1	36.1	36.1	36.1	36.1	36.2	36.2	36.2	36.1
100	36.3	36.2	36.3	36.3	36.3	36.4	36.4	36.4	36.5	36.4	36.4
150	36.7	36.1	36.4	36.7	36.6	36.5	36.6	36.7	36.7	36.4	36.5
200	36.7	36.3	36.3	36.7	36.7	36.3	36.5	36.7	36.7		36.5
250	36.4	36.1	36.0	36.5	36.5	35.9	36.4	36.6	36.6		36.4
300	36.2	35.8		36.3	36.3		36.3	36.5	36.5		36.3
Avg.	36.5	36.1	36.3	36.5	36.5	36.3	36.4	36.6	36.6	36.4	36.4
400	35.8	35.4		35.9	35.8		35.8	36.2	36.1		35.9
500	35.8	35.1			35.4		35.4	36.3	35.8		35.7
600	35.4				35.1		35.3	35.4	35.4		35.3
800											
1000											
Avg.	35.7	35.3		35.9	35.5		35.6	36.0	35.8		35.7

Table 60.--Salinities (‰), offshore, spring season--Continued

Central Offshore

Depth (m.)	Stations											Avg.
	27	28	29	30	39	40	41	49	50	51	52	
0	36.1	36.2	36.2	36.3	36.4	36.1	36.2	36.1				36.2
10	36.1	36.2	36.2	36.3	36.4	36.1	36.2	36.1				36.2
20	36.1	36.2	36.2	36.3	36.4	36.1	36.1	36.2				36.2
30	36.1	36.2	36.2	36.4	36.3	36.1	36.1	36.2				36.2
50	36.4	36.4	36.4	36.6	36.3	36.2	36.2	36.2				36.3
75	36.6	36.6	36.6	36.7	36.0	36.3	36.5	36.1				36.4
Avg.	36.3	36.3	36.3	36.4	36.3	36.2	36.2	36.2				36.3
100	36.7	36.6	36.6	36.6	35.8	36.5	36.7	35.9				36.4
150	36.6	36.7	36.7	36.4	35.7	36.6	36.6	35.6				36.4
200	36.3	36.7	36.7	36.2	35.4	36.6	36.1	35.2				36.2
250	36.0	36.6	36.6	35.9		36.5		35.0				36.1
300		36.5	36.5	35.6		36.5						36.3
Avg.	36.4	36.6	36.6	36.1	35.6	36.5	36.5	35.4				36.3
400		36.3	36.0			36.1						36.1
500		35.9	35.3									35.6
600												
800												
1000												
Avg.		36.1	35.7			36.1						35.9

Table 60.--Salinities (‰), offshore, spring season--Continued

Northern Offshore

Depth (m.)	Stations									Avg.
	61	62	63	64	72	73	74	79	80	
0	36.2	36.2	36.4	36.2	36.3	36.1	36.1	36.3	36.2	36.2
10	36.2	36.3	36.4	36.2	36.3	36.1	36.1	36.3	36.1	36.2
20	36.2	36.3	36.4	36.4	36.3	36.1	36.1	36.2	36.2	36.2
30	36.1	36.3	36.3	36.4	36.4	36.2	36.2	36.3	36.2	36.3
50	36.0	36.4	36.4	36.4	36.5	36.3	36.3	36.3	36.2	36.3
75	35.7	36.4	36.4		36.5	36.4	36.4	36.5	36.3	36.3
Avg.	36.1	36.3	36.4	36.3	36.4	36.2	36.2	36.3	36.2	36.3
100	35.4	36.4	36.0		36.4	36.5	36.5	36.5	36.4	36.3
150	35.2	36.6	35.8		36.1	36.7	36.5	36.4	36.5	36.2
200	35.1	36.4			35.8	36.7	36.5	36.1	36.5	36.2
250	35.1	36.3			35.7	36.6	36.4	35.8	36.5	36.0
300	35.0	36.2			35.6	36.5	36.1	35.5	36.5	35.9
Avg.	35.2	36.4	35.9		35.9	36.6	36.4	36.0	36.5	36.1
400	35.0	36.1			35.1	36.2	35.5		36.3	35.7
500							35.2		36.0	35.6
600							35.1		35.6	35.3
800							35.0		35.1	35.0
1000							35.0		35.0	35.0
Avg.	35.0	36.1			35.1	36.2	35.1		35.6	35.4

Table 61.--Salinities (‰), offshore, summer season

Southern Offshore

Depth (m.)	Stations										Avg.
	1	2	6	7	8	9	15	16	17	18	
0	36.1	35.9	36.0	36.0	36.0	36.0	35.8	36.1	36.0	36.0	36.0
10	36.1	36.0	36.0	36.0	36.0	36.0	35.9	36.1	36.0	36.0	36.0
20	36.1	36.0	36.0	36.0	36.0	36.0	35.9	36.1	36.0	36.0	36.0
30	36.1	36.1	36.1	36.0	36.0	36.0	35.9	36.1	36.1	36.0	36.0
50	36.1	36.2	36.2	36.1	36.1	36.1	36.0	36.1	36.1	36.1	36.1
75	36.3	36.3	36.3	36.3	36.2	36.2	36.2	36.3	36.2	36.2	36.2
Avg.	36.1	36.1	36.1	36.1	36.0	36.0	35.9	36.1	36.1	36.0	36.1
100	36.5	36.4	36.4	36.5	36.3	36.4	36.3	36.4	36.3	36.4	36.4
150	36.7	36.6	36.7	36.7	36.7	36.4	36.6	36.6	36.6	36.4	36.6
200	36.7	36.4	36.3	36.7	36.7	36.4	36.5	36.7	36.7	36.0	36.5
250	36.6	36.1	36.0	36.6	36.6	36.1	36.3	36.6	36.6	35.7	36.3
300	36.5	35.9	35.7	36.4	36.5	35.7	35.9	36.5	36.5	35.4	36.1
Avg.	36.6	36.3	36.2	36.6	36.5	36.2	36.3	36.6	36.5	36.1	36.4
400	36.2	35.3		36.1	36.1		35.3	36.3	36.1	35.1	36.0
500	35.7	35.1		35.7	35.6		35.0	35.9	35.6		35.6
600					35.2			35.4	35.3		35.3
800								34.9			34.9
1000											
Avg.	36.0	35.3		36.0	35.7		35.2	35.8	35.7	35.1	35.7

Table 61.--Salinities (‰), offshore, summer season--Continued

Central Offshore

Depth (m.)	Stations											Avg.
	27	28	29	30	39	40	41	49	50	51	52	
0	35.9	36.0	35.9	36.0	36.0	35.9	35.9	36.1	36.1	36.0	36.1	36.0
10	35.9	36.0	35.9	36.0	36.0	35.9	35.9	36.1	36.0	36.0	36.1	36.0
20	36.0	36.1	35.9	36.0	36.0	35.9	35.9	36.2	36.0	36.0	36.1	36.0
30	36.0	36.1	35.9	36.0	36.1	36.0	36.0	36.2	36.0	36.0	36.2	36.1
50	36.1	36.1	36.0	36.1	36.3	36.0	36.1	36.2	36.0	36.1	36.2	36.1
75	36.2	36.3	36.3	36.3	36.2	36.1	36.2	36.1	36.2	36.1	36.1	36.2
Avg.	36.0	36.1	36.0	36.1	36.1	36.0	36.0	36.2	36.0	36.0	36.1	36.1
100	36.4	36.4	36.6	36.4	36.1	36.3	36.4	36.1	36.3	36.1	36.0	36.3
150	36.6	36.6	36.6	36.4	35.8	36.6	36.1	35.9	36.5	36.2	35.7	36.3
200	36.4	36.6	36.6	36.3	35.6	36.6	35.8	35.7	36.4	36.1	35.6	36.2
250	36.1	36.5	36.6	36.2	35.3	36.5	35.5	35.5	36.2	35.9	35.4	36.0
300	35.8	36.5	36.4	35.8	35.1	36.4	35.2	35.3	36.0	35.8	35.2	35.9
Avg.	36.3	36.5	36.6	36.3	35.6	36.5	35.8	35.9	36.3	36.0	35.6	36.1
400	35.3	36.2	36.3	35.4		36.0			36.0	35.1		35.8
500	35.1	35.9	35.9			35.9			35.6			35.7
600		35.6	35.4									35.5
800		34.9										34.9
1000												
Avg.	35.2	35.8	35.9	35.4		36.0			35.8	35.1		35.7

Table 61.--Salinities (‰), offshore, summer season--Continued

Northern Offshore

Depth (m.)	Stations									Avg.
	61	62	63	64	72	73	74	79	80	
0	36.0	36.1	36.0	36.1	36.2	36.0	36.2	35.9	36.0	36.1
10	35.9	36.0	36.0	36.1	36.1	36.1	36.3	36.0	36.1	36.1
20	36.0	36.1	36.1	36.1	36.2	36.1	36.3	36.0	36.0	36.1
30	36.1	36.1	36.1	36.2	36.2	36.1	36.3	36.0	36.1	36.1
50	36.3	36.1	36.2	36.3	36.3	36.3	36.4	36.1	36.3	36.3
75	36.3	36.2	36.4	36.4	36.4	36.4	36.5	36.3	36.4	36.4
Avg.	36.1	36.1	36.2	36.2	36.2	36.2	36.3	36.0	36.2	36.2
100	36.3	36.3	36.7	36.4	36.5	36.5	36.4	36.5	36.6	36.5
150	35.8	36.5	36.6	36.2	36.6	36.6	36.3	36.4	36.7	36.4
200	35.6	36.6	36.5	35.9	36.3	36.6	36.2	36.2	36.7	36.3
250	35.4	36.2	36.4	35.5	36.1	36.4	36.0	36.1	36.6	36.1
300	35.4	35.9	36.3		36.1	36.2	35.8	35.9	36.5	36.1
Avg.	35.7	36.3	36.5	36.1	36.4	36.4	36.2	36.2	36.6	36.3
400	35.1	35.7	36.1		35.5	35.9	35.5	36.0	36.2	35.8
500		35.5			35.2	35.7	35.2	35.4	36.1	35.5
600		35.3				35.8	35.1	35.1	35.7	35.4
800						35.4			35.2	35.3
1000									35.1	35.1
Avg.	35.1	35.5	36.1		35.3	35.7	35.3	35.5	35.8	35.6

Table 62.--Salinities (‰), offshore, fall season

Southern Offshore

Depth (m.)	Stations 1	2	6	7	8	9	15	16	17	18	Avg.
0	36.0	36.0	36.0	36.1	36.0	36.0	36.1	36.1	36.2	35.9	36.0
10	36.1	36.0	36.0	36.1	36.0	36.0	36.0	36.1	36.2	36.0	36.0
20	36.0	36.0	36.1	36.1	36.0	36.0	36.0	36.1	36.1	36.0	36.0
30	36.0	36.0	36.1	36.1	36.0	36.0	36.0	36.1	36.1	36.0	36.1
50	36.0	36.1	36.1	36.2	36.0	36.1	36.0	36.2	36.1	36.1	36.1
75	36.3	36.3	36.2	36.3	36.2	36.1	36.2	36.2	36.3	36.3	36.2
Avg.	36.1	36.1	36.1	36.1	36.0	36.0	36.1	36.1	36.2	36.0	36.1
100	36.6	36.5	36.4	36.5	36.4	36.3	36.3	36.3	36.5	36.4	36.4
150	36.7	36.7	36.8	36.7	36.7	36.7	36.7	36.7	36.8	36.5	36.7
200	36.7	36.4	36.6	36.8	36.7	36.5	36.6	36.7	36.7	36.2	36.6
250	36.5	36.1	36.4	36.6	36.6	36.0	36.4	36.6	36.6	35.7	36.3
300	36.5	35.9	36.2	36.4	36.5	35.9	36.1	36.5	36.5	35.5	36.2
Avg.	36.6	36.3	36.5	36.6	36.6	36.3	36.4	36.5	36.6	36.1	36.4
400	36.1	35.3	35.6	36.1	36.1		35.6	36.3	36.0	35.3	35.9
500	35.8			35.8	35.7		35.2	35.9	35.7		35.6
600					35.3		35.1	35.7	35.1		35.3
800											
1000											
Avg.	36.0	35.3	35.6	36.0	35.7		35.3	35.9	35.6	35.3	35.7

Table 62.--Salinities (‰), offshore, fall season--Continued

Central Offshore

Depth (m.)	Stations											Avg.
	27	28	29	30	39	40	41	49	50	51	52	
0	35.9	36.0	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.1
10	35.9	36.0	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.1
20	35.9	36.1	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.1
30	35.9	36.1	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.1
50	35.9	36.2	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.3	36.2	36.2
75	36.1	36.3	36.3	36.3	36.2	36.3	36.4	36.3	36.3	36.4	36.3	36.3
Avg.	35.9	36.1	36.0	36.1	36.2	36.2	36.2	36.2	36.2	36.3	36.2	36.2
100	36.4	36.5	36.5	36.6	36.5	36.5	36.5	36.4	36.5	36.5	36.4	36.5
150	36.6	36.7	36.6	36.8	36.5	36.8	36.7	36.3	36.7	36.4	36.0	36.6
200	36.6	36.6	36.6	36.7	36.1	36.7	36.5	36.0	36.7	36.1	35.6	36.4
250	36.5	36.6	36.6	36.5	35.7	36.6	35.9	35.8	36.4	35.9	35.5	36.2
300	36.2	36.5	36.5	36.3	35.5	36.4	35.6	35.9	36.0	35.7	35.4	36.0
Avg.	36.4	36.6	36.6	36.6	36.1	36.6	36.3	36.1	36.5	36.1	35.8	36.3
400	35.5	36.3	36.2	35.6	35.6				35.6	35.7		35.8
500	35.2	36.0	35.8	35.4					36.1	35.3		35.6
600		35.5	35.4						35.6			35.5
800												
1000												
Avg.	35.3	35.9	35.8	35.5	35.6				35.7	35.5		35.7

Table 62.--Salinities (‰), offshore, fall season--Continued

Northern Offshore

Depth (m.)	Stations									Avg.
	61	62	63	64	72	73	74	79	80	
0	36.2	36.2	36.1	36.3	36.2					36.2
10	36.2	36.2	36.1	36.2	36.2					36.2
20	36.2	36.2	36.1	36.3	36.2					36.2
30	36.2	36.2	36.1	36.3	36.2					36.2
50	36.3	36.2	36.2	36.3	36.3					36.2
75	36.5	36.3	36.3	36.3	36.3					36.4
Avg.	36.2	36.2	36.2	36.3	36.2					36.2
100	36.6	36.5	36.4	36.4	36.3					36.5
150	36.6	36.6	36.6	36.7	36.3					36.6
200	36.2	36.6	36.6	36.6	36.3					36.5
250	36.0	36.5	36.5	36.5	36.2					36.3
300	35.7	36.3	36.3	36.0	35.8					36.1
Avg.	36.2	36.5	36.5	36.4	36.2					36.4
400	35.6	36.0	35.9							35.9
500		35.6	36.2							35.8
600		35.5	35.7							35.6
800										
1000										
Avg.	35.6	35.7	35.9							35.8

Table 63.--Salinities (‰), inner shelf, summary by season

Southern Inner Shelf

Depth (m.)	Season			
	Winter	Spring	Summer	Fall
0	35.2	36.1	35.8	33.8
10	35.1	36.1	35.9	35.0
20			35.9	35.5
Avg.	35.1	36.1	35.8	34.4

Central Inner Shelf

Depth (m.)	Season			
	Winter	Spring	Summer	Fall
0	34.3	34.2	35.3	35.9
10	34.6	35.0	35.4	35.8
Avg.	34.4	34.5	35.4	35.9

Northern Inner Shelf

Depth (m.)	Season			
	Winter	Spring	Summer	Fall
0	35.2	34.4	35.6	35.3
10	35.4	35.0	35.7	35.4
20	36.0		36.0	
Avg.	35.3	34.7	35.7	35.3

Table 64.--Salinities (‰), outer shelf, summary by season

Southern Outer Shelf

Depth (m.)	Season			
	Winter	Spring	Summer	Fall
0	36.1	36.2	36.0	35.5
10	36.1	36.3	36.1	35.5
20	36.1	36.2	36.1	35.6
30	36.2	36.2	36.1	35.7
50	36.3	36.3	36.2	35.8
Avg.	36.1	36.2	36.1	35.6

Central Outer Shelf

Depth (m.)	Season			
	Winter	Spring	Summer	Fall
0	36.1	35.6	35.9	36.1
10	36.1	35.8	35.9	36.1
20	36.2	36.1	36.0	36.2
30	36.2	36.2	36.1	36.2
50	36.2	36.3	36.3	36.1
75	36.1	36.2	36.2	36.2
Avg.	36.2	35.9	36.0	36.2
100	36.0	36.0	35.9	36.3
150	35.6	35.9	35.5	36.2
200	35.3	35.3	35.8	
Avg.	35.8	35.9	35.8	36.3

Northern Outer Shelf

Depth (m.)	Season			
	Winter	Spring	Summer	Fall
0	36.2	35.3	36.0	36.1
10	36.2	35.4	36.1	36.1
20	36.1	35.9	36.2	36.1
30	36.2	36.3	36.3	36.2
50	36.2	36.3	36.3	36.3
75	36.3	36.3	36.3	36.3
Avg.	36.2	35.7	36.1	36.2
100	36.2	36.3	36.3	36.3
150		35.8	35.9	36.5
200		35.6	35.6	36.0
Avg.	36.2	36.0	36.0	36.3

Table 65.--Salinities (‰), offshore, summary by season

Southern Offshore

Depth (m.)	Season			
	Winter	Spring	Summer	Fall
0	36.2	36.1	36.0	36.0
10	36.2	36.1	36.0	36.0
20	36.2	36.1	36.0	36.0
30	36.2	36.1	36.0	36.1
50	36.3	36.1	36.1	36.1
75	36.4	36.3	36.2	36.2
Avg.	36.3	36.1	36.1	36.1
100	36.5	36.4	36.4	36.4
150	36.6	36.5	36.6	36.7
200	36.5	36.5	36.5	36.6
250	36.4	36.4	36.3	36.3
300	36.2	36.3	36.1	36.2
Avg.	36.4	36.4	36.4	36.4
400	35.9	35.9	36.0	35.9
500	35.8	35.7	35.6	35.6
600	35.2	35.3	35.3	35.3
800			34.9	
Avg.	35.7	35.7	35.7	35.7

Central Offshore

Depth (m.)	Season			
	Winter	Spring	Summer	Fall
0	36.2	36.2	36.0	36.1
10	36.2	36.2	36.0	36.1
20	36.2	36.2	36.0	36.1
30	36.2	36.2	36.1	36.1
50	36.2	36.3	36.1	36.2
75	36.3	36.4	36.2	36.3
Avg.	36.2	36.3	36.1	36.2
100	36.3	36.4	36.3	36.5
150	36.3	36.4	36.3	36.6
200	36.0	36.2	36.2	36.4
250	35.9	36.1	36.0	36.2
300	35.9	36.3	35.9	36.0
Avg.	36.1	36.3	36.1	36.3
400	35.7	36.1	35.8	35.8
500	35.4	35.6	35.7	35.6
600			35.5	35.5
Avg.	35.7	35.9	35.7	35.7

Table 65.--Salinities (‰), offshore, summary by season--Continued

Northern Offshore

Depth (m.)	Season			
	Winter	Spring	Summer	Fall
0	36.3	36.2	36.1	36.2
10	36.3	36.2	36.1	36.2
20	36.2	36.2	36.1	36.2
30	36.3	36.3	36.1	36.2
50	36.3	36.3	36.3	36.2
75	36.4	36.3	36.4	36.4
Avg.	36.3	36.3	36.2	36.2
100	36.4	36.3	36.5	36.5
150	36.1	36.2	36.4	36.6
200	35.8	36.2	36.3	36.5
250	35.6	36.0	36.1	36.3
300	35.6	35.9	36.1	36.1
Avg.	36.0	36.1	36.3	36.4
400	35.5	35.7	35.8	35.9
500	35.4	35.6	35.5	35.8
600	35.2	35.3	35.4	35.6
800		35.0	35.3	
1000		35.0	35.1	

Table 66.--Salinities (‰), summary comparison by season for inner shelf from south to north

Depth (m.)	Winter Season			Spring Season		
	Southern	Central	Northern	Southern	Central	Northern
0	35.2	34.3	35.2	36.1	34.2	34.4
10	35.1	34.6	35.4	36.1	35.0	35.0
20			36.0			
Avg.	35.1	34.4	35.3	36.1	34.5	34.7

Depth (m.)	Summer Season			Fall Season		
	Southern	Central	Northern	Southern	Central	Northern
0	35.8	35.3	35.6	33.8	35.9	35.3
10	35.9	35.4	35.7	35.0	35.8	35.4
20	35.9		36.0	35.5		
Avg.	35.8	35.4	35.7	34.4	35.9	35.3

Table 67.--Salinities (‰), summary comparison by season for outer shelf from south to north

Depth (m.)	Winter Season			Spring Season		
	Southern	Central	Northern	Southern	Central	Northern
0	36.1	36.1	36.2	36.2	35.6	35.3
10	36.1	36.1	36.2	36.3	35.8	35.4
20	36.1	36.2	36.1	36.2	36.1	35.9
30	36.2	36.2	36.2	36.2	36.2	36.3
50	36.3	36.2	36.2	36.3	36.3	36.3
75		36.1	36.3		36.2	36.3
Avg.	36.1	36.2	36.2	36.2	35.9	35.7
100		36.0	36.2		36.0	36.3
150		35.6			35.9	35.8
200		35.3			35.3	35.6
Avg.		35.8	36.2		35.9	36.0

Depth (m.)	Summer Season			Fall Season		
	Southern	Central	Northern	Southern	Central	Northern
0	36.0	35.9	36.0	35.5	36.1	36.1
10	36.1	35.9	36.1	35.5	36.1	36.1
20	36.1	36.0	36.2	35.6	36.2	36.1
30	36.1	36.1	36.3	35.7	36.2	36.2
50	36.2	36.3	36.3	35.8	36.1	36.3
75		36.2	36.3		36.2	36.3
Avg.	36.1	36.0	36.1	35.6	36.2	36.2
100		35.9	36.3		36.3	36.3
150		35.5	35.9		36.2	36.5
200		35.8	35.6			36.0
Avg.		35.8	36.0		36.3	36.3

Table 68.-- Salinities (‰), summary comparison by season for offshore from south to north

Depth (m.)	Winter Season			Spring Season		
	Southern	Central	Northern	Southern	Central	Northern
0	36.2	36.2	36.3	36.1	36.2	36.2
10	36.2	36.2	36.3	36.1	36.2	36.2
20	36.2	36.2	36.2	36.1	36.2	36.2
30	36.2	36.2	36.3	36.1	36.2	36.3
50	36.3	36.2	36.3	36.1	36.3	36.3
75	36.4	36.3	36.4	36.3	36.4	36.3
Avg.	36.3	36.2	36.3	36.1	36.3	36.3
100	36.5	36.3	36.4	36.4	36.4	36.3
150	36.6	36.3	36.1	36.5	36.4	36.2
200	36.5	36.0	35.8	36.5	36.2	36.2
250	36.4	35.9	35.6	36.4	36.1	36.0
300	36.2	35.8	35.6	36.3	36.3	35.9
Avg.	36.4	36.1	36.0	36.4	36.3	36.1
400	35.9	35.7	35.5	35.9	36.1	35.7
500	35.8	35.4	35.4	35.7	35.6	35.6
600	35.2		35.2	35.3		35.3
800						35.0
1000						35.0
Avg.	35.7	35.7	35.4	35.7	35.9	35.4

Depth (m.)	Summer Season			Fall Season		
	Southern	Central	Northern	Southern	Central	Northern
0	36.0	36.0	36.1	36.0	36.1	36.2
10	36.0	36.0	36.1	36.0	36.1	36.2
20	36.0	36.0	36.1	36.0	36.1	36.2
30	36.0	36.1	36.1	36.1	36.1	36.2
50	36.1	36.1	36.3	36.1	36.2	36.2
75	36.2	36.2	36.4	36.2	36.3	36.4
Avg.	36.1	36.1	36.2	36.1	36.2	36.2
100	36.4	36.3	36.5	36.4	36.5	36.5
150	36.6	36.3	36.4	36.7	36.6	36.6
200	36.5	36.2	36.3	36.6	36.4	36.5
250	36.3	36.0	36.1	36.3	36.2	36.3
300	36.1	35.9	36.1	36.2	36.0	36.1
Avg.	36.4	36.1	36.3	36.4	36.3	36.4
400	36.0	35.8	35.8	35.9	35.8	35.9
500	35.6	35.7	35.5	35.6	35.6	35.8
600	35.3	35.5	35.4	35.3	35.5	35.6
800	34.9	34.9	35.3			
1000			35.1			
Avg.	35.7	35.7	35.6	35.7	35.7	35.8

Table 69.--Salinities (‰), summary comparison from inner shelf to offshore, southern area, winter season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	35.2	36.1	36.2
10	35.1	36.1	36.2
20		36.1	36.2
30		36.2	36.2
50		36.3	36.3
75			36.4
Avg.	35.1	36.1	36.3
100			36.5
150			36.6
200			36.5
250			36.4
300			36.2
Avg.			36.4
400			35.9
500			35.8
600			35.2
800			
1000			
Avg.			35.7

Table 70.--Salinities (‰), summary comparison from inner shelf to offshore, southern area, spring season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	36.1	36.2	36.1
10	36.1	36.3	36.1
20		36.2	36.1
30		36.2	36.1
50		36.3	36.1
75			36.3
Avg.	36.1	36.2	36.1
100			36.4
150			36.5
200			36.5
250			36.4
300			36.3
Avg.			36.4
400			35.9
500			35.7
600			35.3
800			
1000			
Avg.			35.7

Table 71.--Salinities (‰), summary comparison from inner shelf to offshore, southern area, summer season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	35.8	36.0	36.0
10	35.9	36.1	36.0
20	35.9	36.1	36.0
30		36.1	36.0
50		36.2	36.1
75			36.2
Avg.	35.8	36.1	36.1
100			36.4
150			36.6
200			36.5
250			36.3
300			36.1
Avg.			36.4
400			36.0
500			35.6
600			35.3
800			34.9
1000			
Avg.			35.7

Table 72.--Salinities (‰), summary comparison from inner shelf to offshore, southern area, fall season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	33.8	35.5	36.0
10	35.0	35.5	36.0
20	35.5	35.6	36.0
30		35.7	36.1
50		35.8	36.1
75			36.2
Avg.	34.4	35.6	36.1
100			36.4
150			36.7
200			36.6
250			36.3
300			36.2
Avg.			36.4
400			35.9
500			35.6
600			36.3
800			
1000			
Avg.			35.7

Table 73.--Salinities (‰), summary comparison from inner shelf to offshore, central area, winter season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	34.3	36.1	36.2
10	34.6	36.1	36.2
20		36.2	36.2
30		36.2	36.2
50		36.2	36.2
75		36.1	36.3
Avg.	34.4	36.2	36.2
100		36.0	36.3
150		35.6	36.3
200		35.3	36.0
250			35.9
300			35.8
Avg.		35.8	36.1
400			35.7
500			35.4
600			
800			
1000			
Avg.			35.7

Table 74.--Salinities (‰), summary comparison from inner shelf to offshore, central area, spring season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	34.2	35.6	36.2
10	35.0	35.8	36.2
20		36.1	36.2
30		36.2	36.2
50		36.3	36.3
75		36.2	36.4
Avg.	34.5	35.9	36.3
100		36.0	36.4
150		35.9	36.4
200		35.3	36.2
250			36.1
300			36.3
Avg.		35.9	36.3
400			36.1
500			35.6
600			
800			
1000			
Avg.			35.9

Table 75.--Salinities (‰), summary comparison from inner shelf to offshore, central area, summer season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	35.3	35.9	36.0
10	35.4	35.9	36.0
20		36.0	36.0
30		36.1	36.1
50		36.3	36.1
75		36.2	36.2
Avg.	35.4	36.0	36.1
100		35.9	36.3
150		35.5	36.3
200		35.8	36.2
250			36.0
300			35.9
Avg.		35.8	36.1
400			35.8
500			35.7
600			35.5
800			34.9
1000			
Avg.			35.7

Table 76.--Salinities (‰), summary comparison from inner shelf to offshore, central area, fall season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	35.9	36.1	36.1
10	35.8	36.1	36.1
20		36.2	36.1
30		36.2	36.1
50		36.1	36.2
75		36.2	36.3
Avg.	35.9	36.2	36.2
100		36.3	36.5
150		36.2	36.6
200			36.4
250			36.2
300			36.0
Avg.		36.3	36.3
400			35.8
500			35.6
600			35.5
800			
1000			
Avg.			35.7

Table 77.--Salinities (‰), summary comparison from inner shelf to offshore, northern area, winter season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	35.2	36.2	36.3
10	35.4	36.2	36.3
20	36.0	36.1	36.2
30		36.2	36.3
50		36.2	36.3
75		36.3	36.4
Avg.	35.3	36.2	36.3
100		36.2	36.4
150			36.1
200			35.8
250			35.6
300			35.6
Avg.		36.2	36.0
400			35.5
500			35.4
600			35.2
800			
1000			
Avg.			35.4

Table 78.--Salinities (‰), summary comparison from inner shelf to offshore, northern area, spring season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	34.4	35.3	36.2
10	35.0	35.4	36.2
20		35.9	36.2
30		36.3	36.3
50		36.3	36.3
75		36.3	36.3
Avg.	34.7	35.7	36.3
100		36.3	36.3
150		35.8	36.2
200		35.6	36.2
250			36.0
300			35.9
Avg.		36.0	36.1
400			35.7
500			35.6
600			35.3
800			35.0
1000			35.0
Avg.			35.4

Table 79.--Salinities (‰), summary comparison from inner shelf to offshore, northern area, summer season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	35.6	36.0	36.1
10	35.7	36.1	36.1
20	36.0	36.2	36.1
30		36.3	36.1
50		36.3	36.3
75		36.3	36.4
Avg.	35.7	36.1	36.2
100		36.3	36.5
150		35.9	36.4
200		35.6	36.3
250			36.1
300			36.1
Avg.		36.0	36.3
400			35.8
500			35.5
600			35.4
800			35.3
1000			35.1
Avg.			35.6

Table 80.--Salinities (‰), summary comparison from inner shelf to offshore, northern area, fall season

Depth (m.)	Inner Shelf	Outer Shelf	Offshore
0	35.3	36.1	36.2
10	35.4	36.1	36.2
20		36.1	36.2
30		36.2	36.2
50		36.3	36.2
75		36.3	36.4
Avg.	35.3	36.2	36.2
100		36.3	36.5
150		36.5	36.6
200		36.0	36.5
250			36.3
300			36.1
Avg.		36.3	36.4
400			35.9
500			35.8
600			35.6
800			
1000			
Avg.			35.8

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